	1. CONTRACT ID CODE	PAGE OF PAGES
AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1 | 2

2. AMENDMENT/MODIFICATION NO. **0004**	3. EFFECTIVE DATE 01/09/98	4. REQUISITION/PURCHASE REQ. NO. 0-8-10-U3-TR-A36	5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE _____	7. ADMINISTERED BY *(If other than Item 6)* CODE _____
INTERNAL REVENUE SERVICE A/C (PROCUREMENT) M:P:I:D 6009 Oxon Hill Road, 7th Floor Oxon Hill, MD 20745	

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*	(T)	9A. AMENDMENT OF SOLICITATION NO.
	X	TIRNO-98-R-00003
		9B. DATED *(SEE ITEM 11)* October 23, 1997
TO ALL OFFERORS		10A. MODIFICATION OF CONTRACT/ORDER NO.
		10B. DATED *(SEE ITEM 13)*

CODE _____ FACILITY CODE _____

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

_X_ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers _X_ is extended, ____ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning one copy of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA *(If required)*

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS,
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: *(Specify authority)* THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES *(such as changes in paying office, appropriation data, etc.)* SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b)

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

D. OTHER *(Specify type of modification and authority)*

E. IMPORTANT: Contractor ____ is not, _ _ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION *(Organized by UCF section headings, including solicitation/contract subject matter where feasible.)*

See Page 2.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER *(Type or print)*	16A. NAME AND TITLE OF CONTRACTING OFFICER *(Type or print)*
15B. CONTRACTOR/OFFEROR _____ *(Signature of person authorized to sign)*	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY _____ *(Signature of Contracting Officer)*	16C. DATE SIGNED

NSN 7540-01-152-8070   30-105   STANDARD FORM 30 (REV. 10-83)
PREVIOUS EDITION UNUSABLE   **Prescribed by GSA**
         FAR (48 CFR) 53.243

Solicitation No. TIRNO-98-R-00003 dated October 23, 1997 is hereby amended as follows:

1.   Proposal submission due date is hereby extended as follows:

a. Full and open competition portion is due January 23, 1998, 2:00 P.M.

b. Small business set-aside portion is due February 6, 1998, 2:00 P.M.

The purpose for the alternating proposal submission due date for the two competitions is to allow the Government additional time to seek waivers to the non-manufacturer rule for specific line items under the small business set-aside portion.

c. Standard Form 1449, Block 8, <u>Offer Due Date/Local Time</u>, is amended to read:

"01/23/98, 2:00 P.M. local time, for the full and open competitive portion; and

02/06/98, 2:00 P.M. local time, for the small business set-aside portion."

d. Section E.2.13.1, <u>Due Date for Proposals</u>, first sentence, is amended as follows: "Proposals submitted in response to the full and open portion of this solicitation shall be delivered before or no later than January 23, 1998, 2:00 P.M., local time. Proposals submitted in response to the small business set-aside portion shall be delivered before or no later than February 6, 1998, 2:00 P.M., local time." See the dates and times specified in Block 8 of the Standard Form 1449.

2.   The below referenced pages are hereby incorporated into Solicitation No. TIRNO-98-R-00003:

a. Pages B-12 through B-17, B-20, B-31, B-32, C-15, C-18, C-20, D.7-5, D.10-3, E-6, E-7, E-10, E-13, E-19, E-20, E-23, E-24, E-28 and E-29 are hereby replaced in their entirety with the attached corresponding numbered replacement pages.

b. Pages B-14a, B-16a, and C-18a, are hereby inserted and shall be incorporated after Pages B-14, B-16, and B-18 respectively.

c. Sections B.1, D-4 and D.6 have been replaced in their entirety.

d. In Amendement 0003, page D.7-5 did not reflect the entire page and page E-23 should have read page E-24. This two pages are provided correctly in this amendment.

B.1. CONTRACT LINE ITEM NUMBERS (CLINs) (SF 1449, BLOCKS 19-24)

RFP Section	CLIN	Description	First 12 Month Period	Optional 12 Month Period
			Unit Price	
B.9.		MICROCOMPUTERS		
B.9.1.		WORKSTATIONS		
B.9.1.	0001	Workstation (minimum 233 MHZ Pentium MMX or equivalent system)		
B.9.1.	0002	Workstation (minimum 200 MHZ Pentium MMX or equivalent system)		
B.9.2.		SERVERS		
B.9.2.	0003	Server - single processor system (minimum Pentium II 233 MHZ or equivalent system)		
B.9.2.	0004	Server - dual microprocessor system (minimum Pentium II 233 MHZ or equivalent system)		
B.9.3.		NOTEBOOKS		
B.9.3.	0005	Notebook - minimum 13.1" TFT (minimum 233 MHZ MMX Pentium or equivalent)		
B.9.3.	0006	Notebook - minimum 12.1" Dual Scan screen (minimum 166 MHZ MMX Pentium or equivalent)		
B.9.4.		RAM UPGRADES - MICROCOMPUTERS		
B.9.4.	0007	16MB RAM Upgrade increments for workstations (most current)		
B.9.4.	0008	16MB RAM Upgrade increments for workstations (current - other)		
B.9.4.	0009	64MB RAM Upgrade increments for server (single processor)		
B.9.4.	0010	64MB RAM Upgrade increments for server (dual processor)		
B.9.4.	0011	RAM Upgrade for notebooks to a minimum 72MB (active matrix screen)		
B.9.4.	0012	RAM Upgrade for notebooks to a minimum 72MB (dual-scan screen)		
B.9.5.		SVGA COLOR MONITORS		
B.9.5.	0013	SVGA Color Monitor with a minimum 13.7" diagonal viewing area		
B.9.5.	0014	SVGA Color Monitor with a minimum 15.7" diagonal viewing area		
B.9.5.	0015	SVGA Color Monitor with a minimum 19" diagonal viewing area		

Amendment 0004
Dated: January 9, 1998

RFP Section	CLIN	Description	Unit Price	
			First 12 Month Period	*Optional 12 Month Period*
B.9.6.		STORAGE DEVICES		
B.9.6.	0016	Hard Disk Drive, internal minimum 2.5GB, non-compressed, formatted disk storage space for workstations and servers		
B.9.6.	0017	Hard Disk Drive, internal minimum 4.0GB, non-compressed, formatted disk storage space for workstations and servers		
B.9.6.	0018	Hard Disk Drive, internal minimum 9.0GB, non-compressed, formatted disk storage space for workstations and servers		
B.9.6.	0019	Tape Cartridge Back-up System, minimum 1.0GB internal, formatted tape capacity for workstations and servers		
B.9.6.	0020	Tape Cartridge Back-up System, minimum 1.0GB external, formatted tape capacity for workstations, servers and notebooks		
B.9.6.	0021	Tape Cartridge Back-up System, minimum 4.0GB internal, formatted tape capacity for workstations and servers		
B.9.6.	0022	RESERVED		
B.9.6.	0023	RESERVED		
B.9.6.	0024	RESERVED		
B.9.6.	0025	CD-Reader and Recorder System, internal, for workstations and servers		
B.9.6.	0026	CD-Reader and Recorder System, external, for workstations and servers		
B.9.7.		PERIPHERAL DEVICES		
B.9.7.	0027	Internal PCMCIA Port/Socket for workstations and servers (factory installed)		
B.9.7.	0028	Internal fax/modem for workstations and servers		
B.9.7.	0029	External fax/modem for workstations, servers and notebooks		
B.9.7.	0030	PCMCIA fax/modem for workstations, servers and notebooks		
B.9.7.	0031	I/O Interface Card for workstations and servers		
B.9.7.	0032	Surge and spike protector		
B.9.7.	0033	Network Interface: 10BaseT Ethernet capabilities/connectivity for workstations and servers - 16-bit card		

Amendment 0004
Dated: January 9, 1998

RFP Section	CLIN	Description	Unit Price	
			First 12 Month Period	*Optional 12 Month Period*
B.9.7.	0034	Network Interface: 10Base2 Ethernet capabilities/connectivity for workstations and servers - 16-bit card		
B.9.7.	0035	Network Interface: Token Ring capabilities/ connectivity for workstations and servers - 16-bit card		
B.9.7.	0036	Network Interface: 10BaseT Ethernet capabilities/connectivity for workstations and servers - 32-bit card		
B.9.7.	0037	Network Interface: 10Base2 Ethernet capabilities/connectivity for workstations and servers - 32-bit card		
B.9.7.	0038	PCMCIA 10BaseT Ethernet capabilities/connectivity		
B.9.7.	0039	PCMCIA 10Base2 Ethernet capabilities/connectivity		
B.9.8.		PRINTERS		
B.9.8.	0040	Portable Printer for notebooks		
B.9.8.	0041	Ink Jet Printer for workstations, servers and notebooks		
B.9.8.	0042	Base-Capacity Laser Printer for workstations, servers and notebooks		
B.9.8.	0043	High-Capacity Laser Printer for workstations, servers, and notebooks		
B.9.8.	0044	High-Capacity Laser Printer Network Interface: 10BaseT and 10Base2 combination Ethernet capabilities/connectivity for workstations and servers		

Amendment 0004
Dated: January 9, 1998

RFP Section	CLIN	Description	Unit Price	
			First 12 Month Period	*Optional 12 Month Period*
B.9.9.		POWER MANAGEMENT DEVICES		
B.9.9.	0045	Uninterruptable Power Supply (UPS) including software and drivers for servers		
B.9.10.		NETWORK INTERFACE CARD INSTALLATION (U.S. Customs Service)		
B.9.10.	0046	GFP - Installation/Labor		
B.9.11.		APPLICATION SOFTWARE DOS AND GUI REQUIREMENTS		
B.9.11.		Word Processing Software		
B.9.11.	0047	Corel Word Perfect, single user, to include media, license and documentation		
B.9.11.	0048	Microsoft Word, single user, to include media, license and documentation		
B.9.11.	0049	Non-Specific Word Processing System, single user, to include media, license and documentation		
B.9.11.		Spreadsheet Software		
B.9.11.	0050	Lotus 1-2-3, single user, to include media, license and documentation		
B.9.11.	0051	Microsoft Excel, single user, to include media, license and documentation		
B.9.11.	0052	Non-Specific Spreadsheet, single user to include media, license and documentation		
B.9.11.		Integrated Automation Software		
B.9.11.	0053	Microsoft Office Pro, single user, to include media, license and documentation		
B.9.11.	0054	Non-Specific Software Suite, single user, to include media, license and documentation		
B.9.11.	0055	Non-Specific Software Suite, single user, to include media, license and documentation		
B.9.11.		Operating System Software		
B.9.11.	0056	Microsoft Windows 95, single user, to include media, license and documentation		
B.9.11.	0057	Microsoft Windows NT - Workstation, single user, to include media, license and documentation		
B.9.11.	0058	Microsoft Windows NT - Server, 50 user, to include media, license and documentation		

Amendment 0004
Dated: January 9, 1998

RFP Section	CLIN	Description	Unit Price	
			First 12 Month Period	*Optional 12 Month Period*
		Additional Software		
B.9.11.	0059	Microsoft Back Office Client Access, single user, to include media, license and documentation		
B.9.11.	0060	Microsoft Exchange Client Access, to include media, license and documentation		
B.9.11.	0061	Microsoft Windows NT Client Access, to include media, license and documentation		
B.9.11.	0062	Microsoft Systems Management Server Client Access, to include media, license and documentation		
B.9.11.	0063	Microsoft Systems Management Server Client Access, single user, license only		
B.9.11.	0064	Lotus Notes Desktop Client, single user, license only		
B.9.11.	0065	Non-Specific Operating System, can be single or multi-user, to include media, license and documentation		
B.9.11.	0066	Non-Specific Operating System, can be single or multi-user, license only		
B.12.		Warranty Service Outside Continental United States		
B.12.	0067	Warranty Service Outside Continental United States - workstations and notebooks*		
B.12.	0068	Warranty Service Outside Continental United States - servers*		

```
* NOTE:

CLINs 0067 and 0068 (Warranty Service outside continental United States)
represents a flat, per CLIN charge for warranty service to the cities listed
in Section D, Attachment 2, Possible Delivery Sites, which are located outside
the continental United States (OCONUS).  The prices proposed for CLINs 0067
and 0068 shall be the same for all destinations, regardless of geographical
location.  These CLINs will not be used for OCONUS locations which are not
included in Section D, Attachment 2.  Unit pricing for CLINs 0067 and 0068
should be proposed with the assumption that each CLIN requiring OCONUS
warranty service will require a separate order of the appropriate CLIN (in
other words, each individual CLIN ordered which requires OCONUS warranty
service would require its own accompanying order of CLIN 0067 or 0068).
```

    b. Power User: encompasses those functions of the Basic Office Automation User with a greater working knowledge. Additional functions include database applications, data manipulation, and graphics.

Amendment 0004
Dated: January 9, 1998

B.8.2. PRE-INSTALLATION

The Contractor shall deliver each product in either of two ways, as specified on the delivery order:

   a. a group of products (hardware and/or software) to make-up a complete system (viz. workstation, server, notebook), or;

   b. product(s) ordered as separate, non-integrated item(s).

All components and end-products shall be configured and connected so that each operates as intended, with no conflicts or errors. The Contractor shall make delivery in a manner that it can be unpacked and set up by the Basic Office Automation User (Section B.8.1.a).

Each workstation, server and notebook delivered shall be ready for operation after unpacking and set-up by the Government. Post-delivery hardware installation by the user shall be limited to connection of power and external cabling only.

Each printer and external peripheral shall be delivered and ready for operation after unpacking and set-up by the Government. Post-delivery hardware installation by the user shall be limited to connection of base, paper trays, installing toner cartridges, ink cartridges, ribbons, paper supplies, power and external cabling only.

All required peripheral drivers for peripherals ordered as part of a system shall be properly installed by the Contractor. All Contractor installed GUI and application software shall include properly installed drivers for all printers offered on this contract. The Contractor shall activate the printer driver based on the specific instructions provided on the delivery order. If no specific printer driver activation instructions are included on the delivery order, no printer driver shall be activated.

Each system ordered requiring installation of Government Furnished Property (GFP) shall be assembled and configured by the Contractor for use with the appropriate GFP (see Section B.9.10.).

B.8.3. DOCUMENTATION AND INSTALLATION INSTRUCTIONS

Each item/product and sub-component of hardware and software provided by the Contractor shall include the manuals and documentation. All documentation shall be provided as commercially available from the original equipment manufacturer (OEM) or distributor. However, if no documentation is provided by the OEM or distributor, the Contractor when practical, shall be required to provide such documentation. If OEM documentation is insufficient for the Basic Office Automation User to unpack, set-up and utilize the ordered products, the Contractor shall deliver with the product, any additional information necessary for its set-up and use.

B.8.4. HARDWARE AND SOFTWARE

To provide a common understanding for this document, the following definitions shall be utilized:

Kilobyte (KB): 1,000 bytes

Megabyte (MB): 1,000,000 bytes

Gigabyte (GB): 1,000,000,000 bytes

These definitions represent minimum acceptable number of bytes for each category. The Government has selected the definitions provided here to avoid excluding products which utilize the 1KB = 1,000 bytes approach. As long as the Contractor meets or exceeds the requirements stated here, then the Contractor would be considered compliant with the requirement. It is acceptable for the Contractor to provide size of a supplied capacity using the same definition as the component vendor (in other words, it is not necessary for component capacity to be converted to the "1KB = 1,000 bytes" definition).

B.9. MICROCOMPUTERS

B.9.1. WORKSTATIONS

The Treasury/bureaus have a large well established base of Original Equipment Manufacturer's (OEM) workstations, servers and notebook computers provided through the previous/current TDA contracts. The product OEM includes Intel microprocessor based Dell, Compaq, Hewlett Packard and Panasonic. In addition, Intel microprocessor based non-specific brand name products are a part of the base. Workstations, servers and notebooks products to be provided through this contract shall be compatible with the currently established TDA base of hardware and software products listed in Section B.7.

B.9.1.1. General Microcomputers - Workstations Requirement

At a minimum, all workstations provided shall include, but not be limited to, the following components:

   a. microprocessor, Pentium MMX or equivalent; backwards compatible to the existing hardware and software base as listed in Section B.7 and B.9.1;

   b. minimum 32MB RAM, system expandable to a minimum 128MB, on the motherboard;

   c. minimum 2.0GB formatted and non-compressed hard disk drive;

   d. 512KB cache memory;

   e. internal CD-ROM drive, minimum 20x speed;

Amendment 0004
Dated: January 9, 1998

f. internal 90mm (3.5") High Density Floppy Disk Drive;

g. additional drive bays for one orderable hard disk drive and one orderable internal |
Storage Device (e.g., PCMCIA Socket/Port, Tape Back-Up); |

h. 32-Bit SVGA card with 2MB RAM. If integrated on motherboard, must be capable of
being disabled and include instructions for disabling; local-bus video compatible, 1024
x 768 resolution, 64K color;

i. one RS-232 serial interface with independent communication. Must support 16550
Universal Asynchronous Receiving and Transmission (UART), independently
addressable as COM 1, 2, 3, or 4;

j. one parallel port (bidirectional);

k. QWERTY non-membrane keyboard (a non-membrane keyboard is one in which the
keys are not part of a continuous surface. Each key is separate and has an independent
key cap.);

l. mouse (not to be connected to the required serial interface described above);

m. mouse pad;

n. at least 3 free expansion slots, 2 of which must be 32-bit (minimum) expansion slots;
and

o. documentation, connection, and installation instructions.

B.9.1.2. Two Categories of Workstations

The Contractor shall provide two categories of workstations (separate CLINs).

(a) One workstation provided shall be, at a minimum, a 233 MHZ Pentium MMX |
or equivalent system. |

(b) The second workstation provided shall be, at a minimum, a 200 MHZ Pentium |
MMX or equivalent system. |

(c) A processor equivalent to a Pentium MMX shall include the following, at a minimum: |

(1) 100 percent binary code compatible with the 80X86 architecture base; |
                                                                                 |
(2)   allows sophisticated visual capabilities while maintaining background functions; |
                                                                                 |
(3)   execute two integer instructions in a single clock cycle; |
                                                                                 |
(4)   built-in cache controller; |

Amendment 0004
Dated: January 9, 1998

    (5)   built-in floating point unit, execute two floating point operations every clock cycle, arithmetic logic unit independent;

    (6)   32-bit address bus interface, and internal data path;

    (7)   64-bit data address bus interface;

    (8)   ensures that the data in the cache and in main memory are consistent with one another,

    (9)   minimum 32k combined internal cache;

    (10)   executes MMX instructions.

In addition to the salient characteristics, the equivalent processor must run the operating system, GUI, and application software in native applications at processor clock speed intended (e.g., not modification to, and/or additional software, drivers and/or hardware items/products required).

In order to be considered equivalent, the proposed processor shall not:

    (a) be externally enhanced to make it perform beyond its original intent and design;

    (b) be software enhanced to make the processor "think" that it is something other than what it was originally designed to be, or require additional processing demands;

    (c) be modified to speed-up the processing capabilities through the use of additional products;

    (d) cause system stressing;

    (e) cause peripheral driver conflicts;

    (f) cause BIOS conflicts;

    (g) have the clock modified beyond original manufacturer's design and warranty guidelines.

[The next page is Page B-15.]

Amendment 0004
Dated: January 9, 1998

B.9.2. MICROCOMPUTERS - SERVERS

B.9.2.1. General Microcomputers - Server Requirements

At a minimum, all servers provided shall include, but not be limited to, the following components:

  a. minimum 128MB RAM, system expandable to a minimum 512MB, on the motherboard;

  b. minimum 4.0GB formatted and non-compressed hard disk drive;

  c. internal CD-ROM drive, minimum 20x speed;

  d. 512KB cache memory, per microprocessor;

  e. internal 90mm (3.5") High Density Floppy Disk Drive;

  f. 32-bit SVGA card with minimum 2MB RAM. If integrated on motherboard, must be capable of being disabled and include instructions for disabling; local-bus video compatible, 1024 x 768 resolution, 64K color;

  g. plus an additional four available drive bays for four orderable hard disk drives and two bays for additional orderable internal Storage Devices (e.g., PCMCIA Device, Tape Back-Up) for a minimum of 9 system bays;

  h. one RS-232 serial interface with independent communication. Must support 16550 Universal Asynchronous Receiving and Transmission (UART), independently addressable as COM 1, 2, 3, or 4;

  i. one parallel port (bidirectional);

  j. QWERTY non-membrane keyboard (a non-membrane keyboard is one in which the keys are not part of a continuous surface. Each key is separate and has an independent key cap.);

  k. mouse (not to be connected to the required serial interface described above);

  l. mouse pad;

  m. at least 3 free expansion slots, 2 of which must be 32-bit (minimum) expansion slots; and

  n. documentation, connection, and installation instructions.

Amendment 0004
Dated: January 9, 1998

B.9.2.2. Two Categories of Servers

The Contractor shall provide two categories of servers (separate CLINs).

  (a) One server provided shall be, at a minimum, a single microprocessor Pentium II 233 MHZ or equivalent system.

  (b) The second server provided shall be, at a minimum, a dual microprocessor Pentium II 233 MHZ or equivalent system, and include two microprocessors.

  (c) A processor equivalent to the Pentium II shall include the following, at a minimum:

   (1) 32K L1 cache;

   (2) MMX technology;

   (3) Floating Point Unit;

   (4) Out of Order Execution;

   (5) Execute a minimum of 2 instructions per cycle;

   (6) Speculative Execution;

   (7) 64-bit bus width;

   (8) Compatible with existing software; and

   (9) Register Renaming.

B.9.3. MICROCOMPUTERS - NOTEBOOKS

B.9.3.1. General Microcomputers - Notebook Requirements

At a minimum, all notebooks provided shall include, but not be limited to, the following components:

  a. 32MB RAM, expandable to a minimum 72MB RAM, on the motherboard;

  b. 32KB internal and 256KB external cache memory;

c.   minimum 2.1GB formatted (non-compressed) hard disk drive;

d.   CD-ROM, minimum 20x speed;

e.   one PCMCIA Interface Adapter Port - Type III, with dual connectors
     (support Type I, Type II, and Type III devices - this includes Series 1
     and Series 2 memory cards and Type II I/O cards such as modems and
     LAN cards), to support all PCMCIA 2.1 I/O cards and hard disks, with
     driver software, socket service and card services;

f.   fax/modem device (internal or PCMCIA), at a minimum True V.34
     transmission at 33.6Kbps, and V.42bis/MNP 5 data compression;

g.   3.5" High Density Floppy Disk Drive;

h.   integrated non-membrane QWERTY keyboard (a non-membrane
     keyboard is one in which the keys are not part of a continuous surface.
     Each key is separate and has an independent key cap.);

[The next page is Page B-17.]

Amendment 0004
Dated: January 9, 1998

i.   integrated pointing device (not to be connected to the required serial
     interface);

j.   one RS-232 serial interface with independent communication. Must support
     16550 Universal Asynchronous Receiving and Transmission (UART),
     independently addressable as COM1 or 2;

k.   one parallel port (bidirectional);

l.   external keyboard port;

m. external monitor port (1024 x 768 resolution, with 64K colors) capable of
     driving orderable SVGA monitors;

n.   save and resume feature;

o.   padded carrying case with shoulder strap, capable of carrying this notebook and
     offered portable printer (including required cables and A/C adapters) in separate
     compartments;

p.   A/C adaptor;

q.   documentation, connection, and operating instructions; and

r.   not more than 8.5 pounds system weight (system weight includes the notebook itself
     and one battery pack).

B.9.3.2. Two Categories of Notebooks

The Contractor shall provide two categories of notebooks (separate CLINs).

(a) One notebook proposed shall provide a minimum 233MHz MMX Pentium or
    equivalent, a 13.1" TFT 1024 x 768 screen with 64K color, and 3 hour battery
    life; and

(b) One notebook proposed shall provide a minimum 166MHz MMX Pentium or
    equivalent, with a 12.1" Dual-Scan 800 x 600 screen with 64K color, and
    2 hour battery life.

Amendment 0004
Dated: January 9, 1998

The Contractor shall include:

    a. all necessary software, hardware, cabling, and brackets;

    b. software and driver;

    c. 3 formatted tape cartridges; and

    d. documentation, connection, and operating instructions.

The Offeror shall propose three (3) tape cartridge back-up systems:

    one minimum 1.0GB internal, formatted tape capacity;

    one minimum 1.0GB external, formatted tape capacity; and

    one minimum 4.0GB internal, formatted tape capacity.

B.9.6.3. RESERVED

B.9.6.4. CD-Reader and Recorder Systems

The internal CD-Reader and Recorder systems will be used with the workstations and servers provided. The internal and external CD-Reader and Recorder systems are not required to work with the provided notebooks.

[Remainder of page left blank.]

B.12.1. COVERAGE PERIOD

The warranty period of an item or product shall begin on the day after equipment acceptance and extend for a period of one (1) year or longer, concurrent with the manufacturer's commercial or standard warranty (see Section B.12.8, Warranty Coverage for Used Equipment). If the warranty period of a product provided by the contractor under this contract exceeds one year, the manufacturer's or contractor's warranty period shall prevail over the Government's minimum period.

If the manufacturer's standard warranty exceeds the warranty provided by the Contractor, any remaining manufacturer's warranty shall become active. The manufacturer's remaining warranty coverage shall begin on the day the Contractor's warranty services are no longer provided, in accordance with the terms of the original manufacturer's standard warranty. The Treasury user will follow the manufacturer's instructions for obtaining warranty service.

If a product is accepted in month 25 after contract award, the Contractor shall be liable for warranty service on the day after acceptance, and shall extend for the stated warranty period.

B.12.2. RESPONSE REQUIREMENTS

The Customer Technical Assistance (CTA) function shall provide general customer service, and product information support, address pre-delivery, delivery and installation concerns, and warranty service. The warranty service shall extend to all items/products and software, including the software support. The Contractor may provide software support through the respective software OEM/Third Party. The Contractor shall retain responsibility for the software products, replacement, upgrades, and contract requirements. In addition, if the respective OEM/Third Party fails to assist customers, the Contractor shall retain ultimate responsibility for support.

The Contractor shall have one toll-free ("e.g., 1-800/888") telephone number (contiguous United States) through which Government users can request CTA 24 hours per day, seven days per week. Customer technical assistance shall be available throughout the term of the contract, and additionally, to the last day of actual warranty coverage provided by the Contractor.

A CTA Representative (CTAR) shall be available to receive calls during this prime time period: 8:00 a.m. to 8:00 p.m. Eastern Time, Monday through Friday (excluding Federal holidays). A recording device is acceptable at other times for 24 hour, seven days per week coverage. If a call is placed to a recording device, or after the prime time period, the call shall be considered received, and responded to, within two hours, at the start of the prime time period of the next business day.

When a call is received by the CTAR, appropriate action shall be taken, whether it is for sales assistance, customer service, pre-delivery and delivery issues, and/or warranty service.

The CTAR shall respond to the caller, appropriately:

>   questions and sales assistance shall be handled according to the callers needs;

Amendment 0004
Dated: January 9, 1998

pre-delivery and delivery concerns shall be handled immediately, with resolution while the caller is on the phone, or in case of an answering system, within two hours of the caller's next business day.

In the cases of preacceptance and warranty issues, a preliminary determination will be made by the CTAR as to the nature of the problem. The CTAR shall ask for sufficient information, from the caller, to initiate a service call, if needed. If the preacceptance and warranty issue is received by an automated answering system, the caller shall be contacted within two hours of the caller's next business day. If it is determined that:

a. there is a bona fide problem requiring support/service (pre-acceptance or warranty), the CTAR shall dispatch an authorized representative to the customer site to complete all necessary repairs or replacements.

b. the malfunction is caused by a software problem, the CTAR will either supply the problem resolution, or provide the user with the appropriate OEM technical assistance telephone number. The user will then contact the OEM help line.

The Contractor shall not be allowed to utilize this contract to make repair or replacement to any items not acquired on this contract.

The Contractor shall not separately charge travel, repair costs, or related expenses.

B.12.2.1. Call Identification

The CTAR shall assign to each initial call received a unique control tracking number, and the Government caller shall be given the control tracking number at the time of the initial call.

The Contractor shall maintain a log of every CTA call received. The CTAR shall assist the caller to identify the problem(s) and advise the caller on resolution.

Repeat calls (already assigned a number) shall retain their originally assigned control tracking number. The Contractor shall be responsible to track and report the number of call-backs required to resolve the issue.

If software support is provided by other than the CTAR, the software OEM may process the call according to their standard procedures. However, the Contractor shall be responsible for ensuring that the Government can easily obtain support from the software OEM (i.e. the Contractor shall make sure that the Government caller has the identifying information necessary to obtain support from the software OEM). Once a software support call is referred to the software OEM, no further tracking is required by the Contractor. The Contractor shall not be responsible for logging or tracking any software OEM generated reference numbers.

 C.3 CONTRACT TERMS AND CONDITIONS REQUIRED TO IMPLEMENT STATUTES OR EXECUTIVE ORDERS -- COMMERCIAL ITEMS, FAR 52.212-5 (AUG 1996)

(a) The Contractor agrees to comply with the following FAR clauses, which are incorporated in this contract by reference, to implement provisions of law or Executive orders applicable to acquisitions of commercial items:

> (1) 52.222-3, Convict Labor (E.O. 11755); and
> (2) 52.233-3, Protest After Award (31 U.S.C. 3553).

(b) The Contractor agrees to comply with the FAR clauses in this paragraph (b) which the contracting officer has indicated as being incorporated in this contract by reference to implement provisions of law or executive orders applicable to acquisitions of commercial items or components:

(Contracting Officer shall check as appropriate.)

__X__(1) 52.203-6, Restrictions on Subcontractor Sales to the Government, with Alternate I (41 U.S.C. 253g and 10 U.S.C. 2402).

__X__(2) 52.203-10, Price or Fee Adjustment for Illegal or Improper Activity (41 U.S.C. 423).

__X__(3) 52.219-8, Utilization of Small Business Concerns and Small Disadvantaged Business Concerns (15 U.S.C. 637 (d)(2) and (3));

__X__(4) 52.219-9, Small, Small Disadvantaged and Women-Owned Small Business Subcontracting Plan (15 U.S.C. 637 (d)(4));

__X__(5) 52.219-14, Limitation on Subcontracting (15 U.S.C. 637(a)(14)).

__X__(6) 52.222-26, Equal Opportunity (E.O. 11246).

__X__(7) 52.222-35, Affirmative Action for Special Disabled and Vietnam Era Veterans (38 U.S.C. 4212).

__X__(8) 52.222-36, Affirmative Action for Handicapped Workers (29 U.S.C. 793).

__X__(9) 52.222-37, Employment Reports on Special Disabled Veterans and Veterans of the Vietnam Era (38 U.S.C. 4212).

____ (10) 52.225-3, Buy American Act-Supplies (41 U.S.C. 10).

__X__(11) 52.225-9, Buy American Act-Trade Agreements Act-Balance of Payments Program (41 U.S.C. 10, 19 U.S.C. 2501-2582).

Amendment 0004
Dated: January 9, 1998

C.4.　ADDENDUM 1

C.4.1.　FAR CLAUSES INCORPORATED BY REFERENCE

52.252-2 CLAUSES INCORPORATED BY REFERENCE (JUN 1988)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available.

FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1) CLAUSES INCORPORATED BY REFERENCE

NUMBER	TITLE	DATE
52.203-3	GRATUITIES	APR 1984
52.203-12	LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS	JUN 1997
52.204-4	PRINTING/COPYING DOUBLE-SIDED ON RECYCLED PAPER	JUN 1996
52.209-6	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT	JUL 1995
52.214-34	SUBMISSION OF OFFERS IN THE ENGLISH LANGUAGE	APR 1991
52.214-35	SUBMISSION OF OFFERS IN U.S. CURRENCY	APR 1991
52.219-7	NOTICE OF PARTIAL SMALL BUSINESS SET-ASIDE	JUL 1996
52.219-16	LIQUIDATED DAMAGES-- SUBCONTRACTING PLAN	OCT 1995
52.222-28	EQUAL OPPORTUNITY PREAWARD CLEARANCE OF SUBCONTRACTS	APR 1984
52.225-10	DUTY-FREE ENTRY	APR 1984
52.225-11	RESTRICTIONS ON CERTAIN FOREIGN PURCHASES	OCT 1996
52.227-1	AUTHORIZATION AND CONSENT	JUL 1995
52.227-2	NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT	AUG 1996
52.227-3	PATENT INDEMNITY	APR 1984

Amendment 0004
Dated: January 9, 1998

52.227-14	RIGHTS IN DATA - GENERAL	JUN 1987
52.227-14	RIGHTS IN DATA - GENERAL ALTERNATE II	JUN 1987
52.227-14	RIGHTS IN DATA - GENERAL ALTERNATE III	JUN 1987

[The next page is Page C-19.]

Amendment 0004
Dated: January 9, 1998

C.4.2. APPLICABLE FAR CLAUSES IN FULL TEXT

C.4.2.1. ORDERING - FAR 52.216-18 (OCT 1995)

(a) Any supplies and services to be furnished under this contract shall be ordered by issuance of delivery orders or task orders by the individual(s) or activities designated in the Schedule. Such orders may be issued from the effective date of contract award through the last day of the contract period.

(b) All delivery orders or task orders are subject to the terms and conditions of this contract. In the event of conflict between a delivery order or task order and this contract, the contract shall control.

(c) If mailed, a delivery order or task order is considered "issued" when the Government deposits the order in the mail. Orders may be issued orally, by facsimile, or by electronic commerce methods only if authorized in the Schedule.

C.4.2.2. ORDER LIMITATIONS - FAR 52.216-19 (OCT 1995)

(a) Minimum order. When the Government requires supplies or services covered by this contract for each delivery order, in a quantity of less than one CLIN of the services or supplies set forth in Section B, the Government is not obligated to purchase, nor is the Contractor obligated to furnish, those supplies or services under the contract.

(b) Maximum order. The Contractor is not obligated to honor --

(1) Any single order or series of orders under this contract received within any four-week period that alone or together call for quantities exceeding the maximum order limitation (MOL) per CLIN per year as stated in Section D, Attachment 6. The MOL is calculated on a cumulative basis during each successive four-week period during the term of the contract and until the last date that orders are received by the Contractor.

(c) Notwithstanding paragraph (b) above, the Contractor shall honor any order exceeding the maximum order limitations in paragraph (b), unless that order (or orders) is returned to the ordering office within two days after issuance, with written notice stating the Contractor's intent not to ship the item (or items) called for and the reasons. Upon receiving this notice, the Government may acquire the supplies or services from another source.

C.4.2.3. INDEFINITE QUANTITY - FAR 52.216-22 (OCT 1995)

(a) This is an indefinite-quantity contract for the supplies or services specified, and effective for the period stated, in the Schedule. The quantities of supplies and services specified in the Schedule are estimates only and are not purchased by this contract.

Amendment 0004
Dated: January 9, 1998

D.4 INSTRUCTIONS FOR COMPLETING REQUIREMENTS

Included in this section are the matrices for each product requirement listed in Section B. Each product requirement has its own unique and individual matrix. Each matrix has been designed to parallels specific needs and requirements within Section B. Each matrix shall not be used for, or combined with, any other matrix to meet any other product requirements. The matrices have been designed to be part of the validation process for each contract and functional requirement.   The matrices were developed in WordPerfect 6.x for Windows.

You are not allowed to make any changes to the matrices. You are only allowed to fill in the information as required for validation. If you make any changes to the matrices, other than to provide the information for validation purposes, your proposal will be considered noncompliant.

Each matrix is divided into columns for ease of reference to the requirements in Section B.   All matrices include columns listing the "RFP Reference", "Required Minimum Specifications", "Yes", and "No" headers.   The matrices listing the product functional specifications include additional columns for "Technical Literature Reference", "Manufacturer", and "Model Number". To the right of the "Yes" and the "No" columns are blank columns, with no header.

Each matrix must be completed and submitted with the proposal. Refer to Section E, for proposal submission instructions.

If you wish to propose, you need to download the matrices. You must use the individual matrices for all matrices required responses. Import the matrices into electronic form for data entry. No handwritten responses will be accepted. All matrices must be saved in WordPerfect 6.1, when completed.

In order to respond to the requirements you must place an "X" in the row to the right of the "Yes" or "No" column for each required specification, depending upon your decision to meet or not meet the stated requirements. You are only allowed one "Yes" or "No" answer per row. If you answer both "Yes" and "No" to the same requirement, it will be considered as if you did not address the requirement. If you do not place an "X" in either the "Yes" or "No" row/column, it will be considered as if you did not

Amendment 0004
Dated: January 9, 1998

address the requirement. If you do not address all requirements, your proposal may be considered noncompliant.

The column with the "Tech Lit Ref" (Technical Literature Reference) is to be completed by the offeror. The Technical Evaluation Team will be performing a technical validation during this part of the proposal evaluation process. This column is used to list the individual technical literature reference requirements for each of the corresponding "Required Minimum Specifications." The technical literature reference will list where the specific requirement is referenced in the technical literature provided, by the offeror, with the proposal. The technical literature reference should include, at a minimum, tab, page, column, and paragraph, for ease of reference. (Refer to Section E for proposal submission guidelines.) It is recommended that the offeror highlight the specific reference in the technical literature, also. Technical information that is not easy to locate, or understand may make the proposal noncompliant.

Technical literature includes published brochures, pamphlets, and manuals. It is not necessary to include the entire manual, but rather the specific page(s) used to validate the requirement. Specific pages include the manual cover/title, index/table of contents, and relevant/specific page(s) used for reference. If published documentation is not available to address specific requirements, a letter from the manufacturer, OEM, or supplier, on letterhead, stating the requirements must be provided. The letter must be dated, list this solicitation number and title, specific CLIN(s) being referenced, specific requirement(s) being met/exceeded, how the specific requirements are being met/exceeded, and signed by a company official. A letter from the offer is not acceptable, unless the offeror is the manufacturer, OEM, or supplier. Documentation must be provided by the company ("company" is a term as generally understood) that will be providing the product(s) to be offered against this solicitation.

The "Manufacturer (and) Model Number" column is used to list the specific manufacturer/model number of product being offered that meets the specific "Required Minimum Specification." If a manufacture or model number is not applicable to the specific "Required Minimum Specification" then a "NA" is to be listed. For example, if the Mouse Pad is being referenced, it can be listed as Acme Mouse Pads Inc./NA. The " / " divides the manufacturer reference from the model number reference. However, if the mouse pad does have a model number, that same example would be as follows: Acme Mouse Pads Inc./448-248P.

Amendment 0004
Dated: January 9, 1998

General Requirements Matrix *			
10/23/97			
RFP Reference	Required Minimum Specifications		
	The offeror has read, understands and agrees to the following Sections in the Request for Proposals:		
B.3.	Contract Pricing	Yes>>	
B.4.	Program Ceiling Amount	Yes>>	
B.5.	Scope of Contract	Yes>>	
B.6	Available to Other Federal Agencies	Yes>>	
B.7.	General Description	Yes>>	
B.8.	General Requirements	Yes>>	
B.8.	-- FAR Part 12 & Part 2	Yes>>	
B.8.a.	-- product compatibility	Yes>>	
B.8.b.	-- product components/driver requirements	Yes>>	
B.8.c.	-- Centronics and RS-232 requirements	Yes>>	
B.8.d.	-- interface and communication requirements	Yes>>	
B.8.e.	-- GFP requirements	Yes>>	
B.8.f.	-- Executive Order Number 12845 (April 21, 1993)	Yes>>	
B.8.	Year 2000 Warranty (1052.239-9002)	Yes>>	
B.8.1.	General User Environment	Yes>>	
B.8.2.	Pre-Installation	Yes>>	
B 8.3.	Documentation and installation instructions.	Yes>>	
B.8.4.	Hardware and Software	Yes>>	

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit. Ref.
B.9. MICROCOMPUTERS						
B.9.1. MICROCOMPUTERS - WORKSTATIONS (Workstation #1)	CLIN 0001					
	At a minimum, the workstation proposed shall include, but not be limited to, the following components:					
B.9.1.1.a.	a. microprocessor, at a minimum, Pentium MMX or equivalent system; backwards compatible to the existing hardware and software base as listed in Sections B.7 and B.9.1.1.a;	Yes>>		No >>		
B.9.1.1.b.	b. minimum 32MB RAM, system expandable to a minimum 128MB, on the motherboard;	Yes>>		No >>		
B.9.1.1.c.	c. minimum 2.0GB formatted, non-compressed hard disk drive	Yes>>		No>>		
B.9.1.1.d.	d. 512KB cache memory;	Yes>>		No >>		
B.9.1.1.e.	e. internal CD-ROM drive, minimum 20x speed	Yes>>		No >>		
B.9.1.1.f.	f. internal 90mm (3.5") High Density Floppy Disk Drive;	Yes>>		No >>		
B.9.1.1.g.	g. additional drive bays for one orderable hard disk drive and one orderable internal Storage Device (e.g., PCMCIA Socket/Port, Tape Back-Up);	Yes>>		No >>		
B.9.1.1.h.	h. 32 Bit SVGA card with 2MB RAM. If integrated on motherboard, must be capable of being disabled and include instructions for disabling; local-bus video compatible, 1024 x 768 resolution, 64K color;	Yes>>		No >>		
B.9.1.1.i.	I. one RS-232 serial interface with independent communication. Must support 16550 Universal Asynchronous Receiving and Transmission (UART), independently addressable as COM 1, 2, 3, or 4;	Yes>>		No >>		
B.9.1.1.j.	j. one parallel port (bidirectional);	Yes>>		No >>		
B.9.1.1.k.	k. QWERTY non-membrane keyboard (a non-membrane keyboard is one in which the keys are not part of a continuous surface. Each key is separate and has an independent key cap.);	Yes>>		No >>		
B.9.1.1.l.	l. mouse (not to be connected to the required serial interface described above);	Yes>>		No >>		
B.9.1.1.m.	m. mouse pad;	Yes>>		No >>		
B.9.1.1.n.	n. at least 3 free expansion slots, 2 of which must be 32-bit (minimum) expansion slots; and	Yes>>		No >>		
B.9.1.1.o.	o. documentation, connection, and installation instructions	Yes>>		No >>		
	Categories of Workstations (separate CLINs)					
B.9.1.2.(a)	(a) One workstation provided shall be, at a minimum, 233 MHz Pentium MMX or equivalent system	Yes>>		No >>		
B.9.1.2.(c)	(c) A processor equivalent to a Pentium MMX shall include the following, at a minimum:					
B.9.1.2.(c)(1)	(c)(1) 100 percent binary code compatible with the 80X86 architecture base;	Yes>>		No >>		
B.9.1.2.(c)(2)	(c)(2) Allows sophisticated visual capabilities while maintaining background functions;	Yes>>		No >>		
B.9.1.2.(c)(3)	(c)(3) Execute two integer instructions in a single clock cycle;	Yes>>		No >>		
B.9.1.2.(c)(4)	(c)(4) Built-in cache controller;	Yes>>		No >>		
B.9.1.2.(c)(5)	(c)(5) Build-in floating point unit, execute two floating point operations every clock cycle, arithmetic logic unit independent;	Yes>>		No >>		
B.9.1.2.(c)(6)	(c)(6) 32-bit address bus interface and internal data path;	Yes>>		No >>		

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.1.2.(c)(7)	(c)(7) 64-bit data address bus interface	Yes>>		No >>		
B.9.1.2.(c)(8)	(c)(8) Ensures that the data in the cache and in main memory are consistent with one another;	Yes>>		No >>		
B.9.1.2.(c)(9)	(c)(9) Minimum 32K combined internal cache;	Yes>>		No >>		
B.9.1.2.(c)(10)	(c)(10) Executes MMX instructions.	Yes>>		No >>		
B.9.1.2.	In addition to the salient characteristics, the equivalent processor must run the operating system, GUI, and application software in native applications at processor clock speed intended (e.g., not modification to, and/or additional software, drivers and/or hardware items/products required).	Yes>>		No >>		
B.9.1.2.	In order to be considered equivalent, the proposed processor shall not:					
B.9.1.2.(c) (a)	(c)(a) Be externally enhanced to make it perform beyond its original intent and design;	Yes>>		No >>		
B.9.1.2.(c) (b)	(c)(b) Be software enhanced to make the processor "think" that it is something other than what it was originally designed to be, or require additional processing demands;	Yes>>		No >>		
B.9.1.2.(c) (c)	(c) (c) Be modified to speed-up the processing capabilities through the use of additional products;	Yes>>		No >>		
B.9.1.2.(c) (d)	(c)(d) Cause system stressing;	Yes>>		No >>		
B.9.1.2.(c) (e)	(c)(e) Cause peripheral driver conflicts;	Yes>>		No >>		
B.9.1.2.(c) (f)	(c)(f) Cause BIOS conflicts;	Yes>>		No >>		

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.1.2.(c) (g)	(c)(g) Have the clock modified beyond original manufacturer's design and warranty guidelines.	Yes>>		No >>		

D.4-6

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit. Ref.
B.9.	MICROCOMPUTERS					
B.9.1. MICROCOMPUTERS - WORKSTATIONS (Workstation #2)	CLIN 0002					
	At a minimum, the workstation proposed shall include, but not be limited to, the following components:					
B.9.1.1.a.	a. microprocessor, at a minimum, Pentium MMX or equivalent system, backwards compatible to the existing hardware and software base as listed in Sections B.7 and B.9.1.1.a;	Yes>>		No >>		
B.9.1.1.b.	b. minimum 32MB RAM, system expandable to a minimum 128MB, on the motherboard;	Yes>>		No >>		
B.9.1.1.c.	c. minimum 2.0GB formatted, non-compressed hard disk drive	Yes>>		No >>		
B.9.1.1.d.	d. 512KB cache memory;	Yes>>		No >>		
B.9.1.1.e.	e. internal CD-ROM drive, minimum 20x speed	Yes>>		No >>		
B.9.1.1.f.	f. internal 90mm (3.5") High Density Floppy Disk Drive;	Yes>>		No >>		
B.9.1.1.g.	g. additional drive bays for one orderable hard disk drive and one orderable internal Storage Device (e.g., PCMCIA Socket/Port, Tape Back-Up);	Yes>>		No >>		
B.9.1.1.h.	h. 32 Bit SVGA card with 2MB RAM. If integrated on motherboard, must be capable of being disabled and include instructions for disabling; local-bus video compatible, 1024 x 768 resolution, 64K color;	Yes>>		No >>		
B.9.1.1..i.	i. one RS-232 serial interface with independent communication. Must support 16550 Universal Asynchronous Receiving and Transmission (UART), independently addressable as COM 1, 2, 3, or 4;	Yes>>		No >>		
B.9.1.1.j.	J. one parallel port (bidirectional);	Yes>>		No >>		
B.9.1.1.k.	k. QWERTY non-membrane keyboard (a non-membrane keyboard is one in which the keys are not part of a continuous surface. Each key is separate and has an independent key cap.);	Yes>>		No >>		
B.9.1.1.l.	l. mouse (not to be connected to the required serial interface described above);	Yes>>		No >>		
B.9.1.1.m.	m. mouse pad;	Yes>>		No >>		
B.9.1.1.n.	n. at least 3 free expansion slots, 2 of which must be 32-bit (minimum) expansion slots; and	Yes>>		No >>		
B.9.1.1.o.	o. documentation, connection, and installation instructions	Yes>>		No >>		
	Categories of Workstation (separate CLINs)					
B.9.1.2.(b)	(b) The second workstation provided shall be, at a minimum, Pentium MMX or equivalent system.	Yes>>		No >>		
B.9.1.2.(c)	(c) A processor equivalent to a Pentium MMX shall include the following, at a minimum:					

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.1.2.(c)(1)	(c)(1) 100 percent binary code compatible with the 80x86 architecture base;	Yes>>		No >>		
B.9.1.2.(c)(2)	(c)(2) Allows sophisticated visual capabilities while maintaining background functions;	Yes>>		No >>		
B.9.1.2.(c)(3)	(c)(3) Execute two integer instructions in a single clock cycle;	Yes>>		No >>		
B.9.1.2.(c)(4)	(c)(4) Build-in cache controller;	Yes>>		No >>		
B.9.1.2.(c)(5)	(c)(5) Built-in floating point unit, execute two floating point operations every clock cycle, arithmetic logic unit independent;	Yes>>		No >>		
B.9.1.2.(c)(6)	(c)(6) 32-bit address bus interface, and internal data path;	Yes>>		No >>		
B.9.1.2.(c)(7)	(c)(7) 64-bit data address bus interface;	Yes>>		No >>		
B.9.1.2.(c)(8)	(c)(8) Ensures that the data in the cache and in main memory are consistent with one another;	Yes>>		No >>		
B.9.1.2.(c)(9)	(c)(9) Minimum 32K combined internal cache;	Yes>>		No >>		
B.9.1.2.(c)(10)	(c)(10) Executes MMX instructions.	Yes>>		No >>		
B.9.1.2.	In addition to the salient characteristics, the equivalent processor must run the operating system, GUI, and application software in native applications at processor clock speed intended (e.g., not modification to, and/or additional software, drivers and/or hardware items/products required).	Yes>>		No >>		
B.9.1.2.	In order to be considered equivalent, the proposed processor shall not:			No >>		
B.9.1.2.(c) (a)	(c)(a) Be externally enhanced to make it perform beyond its original intent and design;	Yes>>		No >>		
B.9.1.2.(c) (b)	(c)(b) Be software enhanced to make the processor "think" that it is something other than what it was originally designed to be, or require additional processing demands;	Yes>>		No >>		
B.9.1.2.(c) (c)	(c) (c) Be modified to speed-up the processing capabilities through the use of additional products;	Yes>>		No >>		
B.9.1.2.(c) (d)	(c)(d) Cause system stressing;	Yes>>		No >>		
B.9.1.2.(c) (e)	(c)(e) Cause peripheral driver conflicts;	Yes>>		No >>		
B.9.1.2.(c) (f)	(c)(f) Cause BIOS conflicts;	Yes>>		No >>		
B.9.1.2.(c) (g)	(c)(g) Have the clock modified beyond original manufacturer's design and warranty guidelines.	Yes>>		No >>		

D.4-8

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.2. MICROCOMPUTERS - SERVERS (Single)	CLIN 0003					
	At a minimum, all servers provided shall include, but not be limited to, the following components:					
B.9.2.1.a.	a. minimum 128MB RAM, system expandable to a mimimum 512MB, on the motherboard;	Yes>>		No >>		
B.9.2.1.b.	b. minimum 4.0GB formatted and non-compressed hard disk drive.	Yes>>		No >>		
B.9.2.1.c.	c. internal CD-ROM, minimum 20x speed;	Yes>>		No >>		
B.9.2.1.d.	d. 512KB cache memory, per microprocessor;	Yes>>		No >>		
B.9.2.1.e.	e. internal 90mm (3.5") High Density Floppy Disk Drive;	Yes>>		No >>		
B.9.2.1.f.	f. 32 Bit SVGA card with minimum 2MB RAM. If integrated on motherboard, must be capable of being disabled and include instructions for disabling; local-bus video compatible, 1024 x 768 resolution, 64K color;	Yes>>		No >>		
B.9.2.1.g	g. plus an additional four available drive bays for four orderable hard disk drives and two bays for additional orderable internal Storage Devices (e.g., PCMCIA Device, Tape Back-Up) for a minimum of 9 system bays;	Yes>>		No >>		
B.9.2.1.h.	h. one RS-232 serial interface with independent communication. Must support 16550 Universal Asynchronous Receiving and Transmission (UART), independently addressable as COM 1, 2, 3, or 4;	Yes>>		No >>		
B.9.2.1.i.	i. one parallel port (bidirectional);	Yes>>		No >>		
B.9.2.1.j.	j. QWERTY non-membrane keyboard (a non-membrane keyboard is one in which the keys are not part of a continuous surface. Each key is separate and has an independent key cap.);	Yes>>		No >>		
B.9.2.1.k.	k. mouse (not to be connected to the required serial interface described above);	Yes>>		No >>		
B.9.2.1.l.	l. mouse pad;	Yes>>		No >>		
B.9.2.1.m.	m. at least 3 free expansion slots, 2 of which must be 32-bit (minimum) expansion slots; and	Yes>>		No >>		
B.9.2.1.n.	n. documentation, connection, and installation instructions.	Yes>>		No >>		
	Categories of Servers					
B.9.2.2(a)	(a) One server provided shall be, at a minimum, a single microprocessor Pentium II 233 MHz or equivalent system.	Yes>>		No >>		
B.9.2.2.(c)	(c) A processor equivalent to the Pentium II shall include the following, at a minimum:					
B.9.2.2.(c)(1)	(c)(1) 32K L1 cache;	Yes>>		No >>		
B.9.2.2.(c)(2)	(c)(2) MMX technology;	Yes>>		No >>		
B.9.2.2.(c)(3)	(c)(3) Floating Point Unit;	Yes>>		No >>		
B.9.2.2.(c)(4)	(c)(4) Out of Order Execution;	Yes>>		No >>		
B.9.2.2.(c)(5)	(c)(5) Execute a minimum of 2 instructions per cycle;	Yes>>		No >>		
B.9.2.2.(c)(6)	(c)(6) Speculative Execution;	Yes>>		No >>		
B.9.2.2.(c)(7)	(c)(7) 64-bit bus width;	Yes>>		No >>		
B.9.2.2.(c)(8)	(c)(8) Compatible with existing software; and	Yes>>		No >>		

D.4-9

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.2.2.(c)(9)	(c)(9) Register Renaming.	Yes>>		No >>		

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.2. MICROCOMPUTERS - SERVERS (Dual)	CLIN 0004					
	At a minimum, all servers provided shall include, but not be limited to, the following components:					
B.9.2.1.a.	a. minimum 128MB RAM, system expandable to a mimimum 512MB, on the motherboard;	Yes>>		No >>		
B.9.2.1.b.	b. minimum 4.0GB formatted and non-compressed hard disk drive.	Yes>>		No >>		

D.4-11

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.2.1.c.	c. internal CD-ROM, minimum 20x speed;					
B.9.2.1.d.	d. 512KB cache memory, per microprocessor;	Yes>>		No >>		
B.9.2.1.e.	e. internal 90mm (3.5") High Density Floppy Disk Drive;	Yes>>		No >>		
B.9.2.1.f.	f. 32 Bit SVGA card with minimum 2MB RAM. If integrated on motherboard, must be capable of being disabled and include instructions for disabling; local-bus video compatible, 1024 x 768 resolution, 64K color;	Yes>>		No >>		
B.9.2.1.g	g. plus an additional four available drive bays for four orderable hard disk drives and two bays for additional orderable internal Storage Devices (e.g., PCMCIA Device, Tape Back-Up) for a minimum of 9 system bays;	Yes>>		No >>		
B.9.2.1.h.	h. one RS-232 serial interface with independent communication. Must support 16550 Universal Asynchronous Receiving and Transmission (UART), independently addressable as COM 1, 2, 3, or 4;	Yes>>		No >>		
B.9.2.1.i.	i. one parallel port (bidirectional);	Yes>>		No >>		
B.9.2.1.j.	j. QWERTY non-membrane keyboard (a non-membrane keyboard is one in which the keys are not part of a continuous surface. Each key is separate and has an independent key cap.);	Yes>>		No >>		
B.9.2.1.k.	k. mouse (not to be connected to the required serial interface described above);	Yes>>		No >>		
B.9.2.1.l.	l. mouse pad;	Yes>>		No >>		
B.9.2.1.m.	m. at least 3 free expansion slots, 2 of which must be 32-bit (minimum) expansion slots; and	Yes>>		No >>		
B.9.2.1.n.	n. documentation, connection, and installation instructions.	Yes>>		No >>		
	Categories of Servers					
B.9.2.2(b)	(b) One server provided shall be, at a minimum, a dual microprocessor Pentium II 233 MHz or equivalent system, and include two microprocessors.	Yes>>		No >>		
B.9.2.2.(c)	(c) A processor equivalent to the Pentium II shall include the following, at a minimum:					
B.9.2.2.(c)(1)	(c)(1) 32K L1 cache;	Yes>>		No >>		
B.9.2.2.(c)(2)	(c)(2) MMX technology;	Yes>>		No >>		
B.9.2.2.(c)(3)	(c)(3) Floating Point Unit;	Yes>>		No >>		
B.9.2.2.(c)(4)	(c)(4) Out of Order Execution;	Yes>>		No >>		
B.9.2.2.(c)(5)	(c)(5) Execute a minimum of 2 instructions per cycle;	Yes>>		No >>		
B.9.2.2.(c)(6)	(c)(6) Speculative Execution;	Yes>>		No >>		
B.9.2.2.(c)(7)	(c)(7) 64-bit bus width;	Yes>>		No >>		
B.9.2.2.(c)(8)	(c)(8) Compatible with existing software; and	Yes>>		No >>		
B.9.2.2.(c)(9)	(c)(9) Register Renaming.	Yes>>		No >>		

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.3. MICROCOMPUTERS - (NOTEBOOKS)	CLIN 0005					
	At a minimum, all notebooks provided shall include, but not be limited to, the following components:					
B.9.3.1.a.	a. 32MB RAM, expandable to a minimum 72MB RAM, on the motherboard;	Yes>>		No >>		
B.9.3.1.b.	b. 32KB internal and 256KB external cache memory;	Yes>>		No >>		
B.9.3.1.c.	c. minimum 2.1GB formatted (non-compressed) hard disk drive;	Yes>>		No >>		
B.9.2.1.d.	d. CD-ROM drive, minimum 20x speed;	Yes>>		No >>		
B.9.3.1.e.	e. one PCMCIA Interface Adapter Port - Type III, with dual connectors (support Type I, Type II, and Type III devices - this includes Series 1 and Series 2 memory cards and Type II I/O cards such as modems and LAN cards), to support all PCMCIA 2.1 I/O cards and hard disks, with driver software, socket service and card services;	Yes>>		No >>		
B.9.3.1.f.	f. fax/modem device (internal or PCMCIA), at a minimum True V.34 transmission at 33.6Kbps, and V.42bis/MNP 5 data compression;	Yes>>		No >>		
B.9.3.1.g.	g. 3.5" High Density Floppy Disk Drive;	Yes>>		No >>		
B.9.3.1.h.	h. integrated non-membrane QWERTY keyboard (a non-membrane keyboard is one in which the keys are not part of a continuous surface. Each key is separate and has an independent key cap.);	Yes>>		No >>		
B.9.3.1.i.	i. integrated pointing device (not to be connected to the required serial interface);	Yes>>		No >>		
B.9.3.1.j.	j. one RS-232 serial interface with independent communication. Must support 16550 Universal Asynchronous Receiving and Transmission (UART), independently addressable as COM 1 or 2;	Yes>>		No >>		
B.9.3.1.k.	k. one parallel port (bidirectional);	Yes>>		No >>		
B.9.3.1.l.	l. external keyboard port;	Yes>>		No >>		
B.9.3.1.m.	m. external monitor port (1024 x 768 resolution, with 64K colors) capable of driving orderable SVGA monitors;	Yes>>		No >>		
B.9.3.1.n.	n. save and resume feature;	Yes>>		No >>		
B.9.3.1.o.	o. padded carrying case with shoulder strap, capable of carrying this notebook and offered portable printer (including required cables and A/C adapters) in separate compartments.	Yes>>		No >>		
B.9.3.1.p.	p. A/C adaptor;	Yes>		No >>		
B.9.3.1.q.	q. documentation, connection, and operating instructions; and	Yes>>		No >>		
B.9.3.1.r.	r. not more than 8-1/2 pounds system weight (system weight includes the notebook itself and one battery pack);	Yes>>		No >>		
B.9.3.2.	Categories of Notebooks					
B.9.3.2l	The Contractor shall provide categories of notebooks (separate CLINs)					
		Yes>>		No >>		

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.3. MICROCOMPUTERS - NOTEBOOKS)	CLIN 0006					
	At a minimum, all notebooks provided shall include, but not be limited to, the following components:					
B.9.3.1.a.	a. 32MB RAM, expandable to a minimum 72MB RAM, on the motherboard;	Yes>>		No >>		
B.9.3.1.b.	b. 32KB internal and 256KB external cache memory;	Yes>>		No >>		

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.3.1.c.	c. minimum 2.1GB formatted (non-compressed) hard disk drive;	Yes>>		No >>		
B.9.2.1.d.	d. CD-ROM drive, minimum 20x speed;	Yes>>		No >>		
B.9.3.1.e.	e. one PCMCIA Interface Adapter Port - Type III, with dual connectors (support Type I, Type II, and Type III devices - this includes Series 1 and Series 2 memory cards and Type II I/O cards such as modems and LAN cards), to support all PCMCIA 2.1 I/O cards and hard disks, with driver software, socket service and card services;	Yes>>		No >>		
B.9.3.1.f.	f. fax/modem device (internal or PCMCIA), at a minimum True V.34 transmission at 33.6Kbps, and V.42bis/MNP 5 data compression;	Yes>>		No >>		
B.9.3.1.g.	g. 3.5" High Density Floppy Disk Drive;	Yes>>		No >>		
B.9.3.1.h.	h. integrated non-membrane QWERTY keyboard (a non-membrane keyboard is one in which the keys are not part of a continuous surface. Each key is separate and has an independent key cap.);	Yes>>		No >>		
B.9.3.1.i.	i. integrated pointing device (not to be connected to the required serial interface);	Yes>>		No >>		

D.4-15

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.3.1.j.	j. one RS-232 serial interface with independent communication. Must support 16550 Universal Asynchronous Receiving and Transmission (UART), independently addressable as COM 1 or 2;	Yes>>		No >>		
B.9.3.1.k.	k. one parallel port (bidirectional);	Yes>>		No >>		
B.9.3.1.l.	l. external keyboard port;	Yes>>		No >>		
B.9.3.1.m.	m. external monitor port (1024 x 768 resolution, with 64K colors) capable of driving orderable SVGA monitors;	Yes>>		No >>		
B.9.3.1.n.	n. save and resume feature;	Yes>>		No >>		
B.9.3.1.o.	o. padded carrying case with shoulder strap, capable of carrying this notebook and offered portable printer (including required cables and A/C adapters) in separate compartments.	Yes>>		No >>		
B.9.3.1.p.	p. A/C adaptor;	Yes>		No >>		
B.9.3.1.q.	q. documentation, connection, and operating instructions; and	Yes>>		No >>		

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.3.1.r.	r. not more than 8-1/2 pounds system weight (system weight includes the notebook itself and one battery pack);	Yes>>		No >>		
B.9.3.2.	Categories of Notebooks					
B.9.3.2l	The Contractor shall provide categories of notebooks (separate CLINs)					
B.9.3.2.(b)	(b) One notebook proposed shall provide a minimum 166MHz MMX Pentium or equivalent, a 12.1" Dual Scan 800 x 600 screen with 64K color, and 2 hour battery life.	Yes>>		No >>		

D.4-17

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.4. RAM UPGRADES - ALL MICROCOMPUTER SYSTEMS	CLIN 0007					
	RAM Upgrade - Workstation #1					
B.9.4.1.	The RAM upgrades offered shall be in incremental minimums, such that a motherboard may be populated in a staggered basis, until the maximum RAM requirement is met	Yes>>		No >>		
B.9.4.1.(a)	RAM upgrades offered shall be fully compatible with original RAM configuration, and originally installed RAM shall not be replaced to add RAM to current configuration; and	Yes>>		No >>		
B.9.4.1.(b)	RAM upgrades to be factory installed, ordered with the workstation					
B.9.4.1.(c)	RAM upgrades for the workstations shall be offered in minimum 16MB increments	Yes>>		No >>		

D.4-18

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.4. RAM UPGRADES - ALL MICROCOMPUTER SYSTEMS	CLIN 0008					
	RAM Upgrade - Workstation #2					
B.9.4.1.	The RAM upgrades offered shall be in incremental minimums, such that a motherboard may be populated in a staggered basis, until the maximum RAM requirement is met	Yes>>		No >>		
B.9.4.1.(a)	RAM upgrades offered shall be fully compatible with original RAM configuration, and originally installed RAM shall not be replaced to add RAM to current configuration; and	Yes>>		No >>		
B.9.4.1.(b)	RAM upgrades to be factory installed, ordered with the workstation					
B.9.4.1.(c)	RAM upgrades for the workstations shall be offered in minimum 16MB increments;	Yes>>		No >>		

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9. RAM UPGRADES - ALL MICROCOMPUTER SYSTEMS	CLIN 0009					
	RAM Upgrade - Server - Single Processor					
B.9.4.1.	The RAM upgrades offered shall be in incremental minimums, such that a motherboard may be populated in a staggered basis, until the maximum RAM requirement is met	Yes>>		No >>		
B.9.4.1.(a)	RAM upgrades offered shall be fully compatible with original RAM configuration, and originally installed RAM shall not be replaced to add RAM to current configuration; and	Yes>>		No >>		
B.9.4.1.(b)	RAM upgrades to be factory installed, ordered with the server	Yes>>		No >>		
B.9.4.1.(c)	RAM upgrades for the servers shall be offered in minimum 64MB increments;	Yes>>		No >>		

D.4-20

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9. RAM UPGRADES - ALL MICROCOMPUTER SYSTEMS	CLIN 0010					
	RAM Upgrade - Server - Dual Processor					
B.9.4.1.	The RAM upgrades offered shall be in incremental minimums, such that a motherboard may be populated in a staggered basis, until the maximum RAM requirement is met	Yes>>		No >>		
B.9.4.1.(a)	RAM upgrades offered shall be fully compatible with original RAM configuration, and originally installed RAM shall not be replaced to add RAM to current configuration; and	Yes>>		No >>		
B.9.4.1.(b)	RAM upgrades to be factory installed, ordered with the server	Yes>>		No >>		
B.9.4.1.(c)	RAM upgrades for the servers shall be offered in minimum 64MB increments;	Yes>>		No >>		

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9. RAM UPGRADES - ALL MICROCOMPUTER SYSTEMS	CLIN 0011					
B.9.4.2.	RAM Upgrade - Notebook (Active Matrix)	Yes>>		No >>		
B.9.4.2.(a)	RAM upgrades to be factory installed, ordered with the notebook	Yes>>		No >>		
B.9.4.2.(b)	RAM upgrades for the notebooks shall be offered to fully populate 72MB RAM.	Yes>>		No >>		

D.4-22

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9. RAM UPGRADES - ALL MICROCOMPUTER SYSTEMS	CLIN 0012					
B.9.4.2.	RAM Upgrade - Notebook (Dual Scan)	Yes>>		No >>		
B.9.4.2.(a)	RAM upgrades to be factory installed, ordered with the notebook	Yes>>		No >>		
B.9.4.2.(b)	RAM upgrades for the notebooks shall be offered to fully populate 72MB RAM.	Yes>>		No >>		

D.4-23

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.5. SVGA COLOR MONITORS (15" color)	CLIN 0013					
	The color monitor shall be compatible for use with the workstations, servers and notebooks offered.	Yes>>		No >>		
	The Contractor shall provide...one monitor with a minimum 13.7" diagonal viewing area;	Yes>>		No >>		
	The monitors to be offered shall include, at a minimum:					
B.9.5.a.	a. non-interlaced, non-glare, anti-static, 1024 x 768 resolution, 72 HZ, with .28mm Dot Pitch, SVGA color monitor;	Yes>>		No >>		
B.9.5.b.	b. front panel controls to adjust contrast, brightness, horizontal size, horizontal position, vertical size, and vertical position;	Yes>>		No >>		
B.9.5.c.	c. tilt and swivel base;	Yes>>		No >>		
B.9.5.d.	d. all required cabling; and	Yes>>		No >>		
B.9.5.e.	e. documentation, connection, and operating instructions.	Yes>>		No >>		

D.4-24

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.5. SVGA COLOR MONITORS (17" color)	CLIN 0014					
	The color monitor shall be compatible for use with the workstations, servers and notebooks offered.	Yes>>		No >>		
	The Contractor shall provide...one monitor with a minimum 15.7" diagonal viewing area;	Yes>>		No >>		
	The monitors to be offered shall include, at a minimum:					
B.9.5.a.	a. non-interlaced, non-glare, anti-static, 1024 x 768 resolution, 72 HZ, with .28mm Dot Pitch, SVGA color monitor;	Yes>>		No >>		
B.9.5.b.	b. front panel controls to adjust contrast, brightness, horizontal size, horizontal position, vertical size, and vertical position;	Yes>>		No >>		
B.9.5.c.	c. tilt and swivel base;	Yes>>		No >>		
B.9.5.d.	d. all required cabling; and	Yes>>		No >>		
B.9.5.e.	e. documentation, connection, and operating instructions.	Yes>>		No >>		

D.4-25

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.5. SVGA COLOR MONITORS (21" color)	CLIN 0015					
	The color monitor shall be compatible for use with the workstations, servers and notebooks offered.	Yes>>		No >>		
	The Contractor shall provide...one monitor with a minimum 19" diagonal viewing area;	Yes>>		No >>		
	The monitors to be offered shall include, at a minimum:					
B.9.5.a.	a. non-interlaced, non-glare, anti-static, 1024 x 768 resolution, 72 HZ, with .28mm Dot Pitch, SVGA color monitor;	Yes>>		No >>		
B.9.5.b.	b. front panel controls to adjust contrast, brightness, horizontal size, horizontal position, vertical size, and vertical position;	Yes>>		No >>		
B.9.5.c.	c. tilt and swivel base;	Yes>>		No >>		
B.9.5.d.	d. all required cabling; and	Yes>>		No >>		
B.9.5.e.	e. documentation, connection, and operating instructions.	Yes>>		No >>		

D.4-26

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.6.1. STORAGE DEVICES -- HARD DRIVES (minimum 2.5GB internal formatted disk storage)	CLIN 0016					
	The storage device is intended for use with, and shall be compatible for use with, the workstations and servers offered.	Yes>>		No >>		
	The Contractor shall include:					
B.9.6.	a. all necessary software and hardware including required cabling and brackets;	Yes>>		No >>		
B.9.6.	b. documentation, connection, and operating instructions; and	Yes>>		No >>		
B.9.6.1.	minimum 2.5GB, internal, non-compressed, formatted disk storage space.	Yes>>		No >>		

D.4-27

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.6.1. STORAGE DEVICES -- HARD DRIVES (minimum 4.0GB internal formatted disk storage)	CLIN 0017					
	The storage device is intended for use with, and shall be compatible for use with, the workstations and servers offered..	Yes>>		No >>		
	The Contractor shall include:					
B.9.6.	a. all necessary software and hardware including required cabling and brackets;	Yes>>		No >>		
B.9.6.	b. documentation, connection, and operating instructions; and	Yes>>		No >>		
B.9.6.1.	minimum 4.0GB, internal, non-compressed, formatted disk storage space.	Yes>>		No >>		

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.6.1. STORAGE DEVICES -- HARD DRIVES (minimum 9.0GB internal formatted disk storage)	CLIN 0018					
	The storage device is intended for use with, and shall be compatible for use with, the workstations and servers offered.	Yes>>		No >>		
	The Contractor shall include:					
B.9.6.	a. all necessary software and hardware including required cabling and brackets;	Yes>>		No >>		
B.9.6.	b. documentation, connection, and operating instructions; and	Yes>>		No >>		
B.9.6.1.	minimum 9.0GB, internal, non-compressed, formatted disk storage space.	Yes>>		No >>		

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.6.2. STORAGE DEVICES -- TAPE CARTRIDGE BACK-UP SYSTEM (minimum 1.0GB internal formatted tape storage)	CLIN 0019					
	The tape cartridge back-up system will be used to back-up and restore hard disk drives. This internal tape cartridge back-up system is intended for use with the offered workstations and servers.	Yes>>		No >>		
	The Contractor shall include:					
B.9.6.2.a.	a. all necessary software, hardware, cabling, and brackets;	Yes>>		No >>		
B.9.6.2.b.	b. software and driver;	Yes>>		No >>		
B.9.6.2.c.	c. 3 formatted tape cartridges;	Yes>>		No >>		
B.9.6.2.d.	d. documentation, connection, and operating instructions.; and	Yes>>		No >>		
B.9.6.2.	minimum 1.0GB internal, formatted tape capacity	Yes>>		No >>		

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.6.2. STORAGE DEVICES -- TAPE CARTRIDGE BACK-UP SYSTEM (minimum 1.0GB external formatted tape storage)	CLIN 0020					
	The external tape cartridge back-up system will be used to back-up and restore hard disk drives. The external tape cartridge back-up system is intended for use with the offered workstations, servers and notebooks.	Yes>>		No >>		
	The Contractor shall include:					
B.9.6.2.a.	a. all necessary software, hardware, cabling, and brackets;	Yes>>		No >>		
B.9.6.2.b.	b. software and driver;	Yes>>		No >>		
B.9.6.2.c.	c. 3 formatted tape cartridges;	Yes>>		No >>		
B.9.6.2.d.	d. documentation, connection, and operating instructions; and	Yes>>		No >>		
B.9.6.2.	minimum 1.0GB external, formatted tape capacity.	Yes>>		No >>		

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.6.2. STORAGE DEVICES -- TAPE CARTRIDGE BACK-UP SYSTEM (minimum 4.0GB internal formatted tape storage)	CLIN 0021					
	The tape cartridge back-up system will be used to back-up and restore hard disk drives. The internal tape cartridge back-up system is intended for use with the offered workstations and servers.	Yes>>		No >>		
	The Contractor shall include:					
B.9.6.2.a.	a. all necessary software, hardware, cabling, and brackets;	Yes>>		No >>		
B.9.6.2.b.	b. software and driver;	Yes>>		No >>		
B.9.6.2.c.	c. 3 formatted tape cartridges;	Yes>>		No >>		
B.9.6.2.d.	d. documentation, connection, and operating instructions; and	Yes>>		No >>		
B.9.6.2.	minimum 4.0GB internal, formatted tape capacity.	Yes>>		No >>		

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
RESERVED	CLIN 0022					

D.4-33

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
RESERVED	CLIN 0023					

D.4-34

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
RESERVED	CLIN 0024					

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.6.4. STORAGE DEVICES -- CD-READER AND RECORDER SYSTEMS (internal)	CLIN 0025					
	The internal CD-Reader and Recorder system will be used with the workstations and servers offered. The internal CD-Reader and Recorder system is not required to work with the offered notebooks. The CD-Reader and Recorders offered shall be the latest commercially available at time of proposal submission.	Yes>>		No >>		
	The CD-Reader and Recorder Systems offered shall:					
B.9.6.4.a.	a. include 1MB internal buffer;	Yes>>		No >>		
B.9.6.4.b.	b. be compatible with existing CD audio players and CD-ROMs;	Yes>>		No >>		
B.9.6.4.c.	c. include all necessary software, hardware, cabling, and brackets;	Yes>>		No >>		
B.9.6.4.d.	d. include software and driver;	Yes>>		No >>		
B.9.6.4.e.	e. include 3 platters; and	Yes>>		No >>		
B.9.6.4.f.	f. documentation, connection, and operating instructions.	Yes>>		No >>		

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.6.4. STORAGE DEVICES -- CD-READER AND RECORDER SYSTEMS (external)	CLIN 0026					
	The external CD-Reader and Recorder system will be used with the workstations and servers offered. The external CD-Reader and Recorder system is not required to work with the offered notebooks. The CD-Reader and Recorders offered shall be the latest commercially available at time of proposal submission.	Yes>>		No >>		
	The CD-Reader and Recorder Systems offered shall:					
B.9.6.4.a.	a. include 1MB internal buffer;	Yes>>		No >>		
B.9.6.4.b..	b. be compatible with existing CD audio players and CD-ROMs;	Yes>>		No >>		
B.9.6.4.c.	c. include all necessary software, hardware, cabling, and brackets;	Yes>>		No >>		
B.9.6.4.d.	d. include software and driver;	Yes>>		No >>		
B.9.6.4.e.	e. include 3 platters; and	Yes>>		No >>		
B.9.6.4.f.	f. documentation, connection, and operating instructions.	Yes>>		No >>		

D.4-37

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.7.1. PERIPHERAL DEVICES -- PCMCIA PORT/SOCKET	CLIN 0027					
B.9.7.1.	The PCMCIA Type III adapter card port/socket offered shall, at a minimum, meet the PCMCIA 2.1 Committee standard (68-pin).	Yes>>		No >>		
B.9.7.1.	The port/socket shall be compatible with the workstations and servers offered. The port/socket is not required to work with the offered notebooks.	Yes>>		No >>		
B.9.7.1.	This product shall have dual connectors, support one Type I and one Type II card simultaneously, or one Type III card, (support Type I, Type II and Type III devices - this includes Series 1 and Series 2 memory cards and Type II I/O cards such as modems and LAN cards), to support all PCMCIA 2.1 I/O cards and hard disks, with driver software, socket service and card services.	Yes>>		No >>		
B.9.7.1.	All required power shall be drawn through the PCMCIA port/socket.	Yes>>		No >>		
B.9.7.1.	As applicable, the adaptor port/socket shall allow for the insertion and removal "Hot-Swap" of the adaptor card while system is powered-up, and appropriate system addressing.	Yes>>		No >>		
B.9.7.1.	All software, drivers, cables, and brackets shall be included.	Yes>>		No >>		
B.9.7.1.	The Contractor shall provide one internal PCMCIA Port/Socket, to be housed in a bay on the front of the workstation or server, to be factory or customer installed.	Yes>>		No >>		
B.9.7.1.	Documentation and installation instructions to be included.	Yes>>		No >>		

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.7.2. PERIPHERAL DEVICES -- FAX/MODEM (internal)	CLIN 0028					
	The fax/modem shall be compatible with the workstations, servers and notebooks offered. It is not required that the internal fax/modem work with the notebooks offered.	Yes>>		No >>		
	The product offered shall include, at a minimum:					
B.9.7.2.a.	a. fax/modem device, at a minimum True V.34 transmission at 33.6Kbps, and V.42bis/MNP 5 data compression;	Yes>>		No >>		
B.9.7.2.b.	b. modem speed: minimum 33.6Kbps (compatible with lower transmit/receive rates);	Yes>>		No >>		
B.9.7.2.c.	c. RJ-11 connectors for line and phone;	Yes>>		No >>		
B.9.7.2.d.	d. audio speaker with software volume control (PCMCIA card can use external speaker to generate sound);	Yes>>		No >>		
B.9.7.2.e.	e. communication software for FAX and modem operation;	Yes>>		No >>		
B.9.7.2.f.	f. required cabling, including phone cable; and	Yes>>		No >>		
B.9.7.2.g.	g. documentation, connection, and operating instructions.	Yes>>		No >>		

D.4-39

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.7.2. PERIPHERAL DEVICES -- FAX/MODEM (external)	CLIN 0029					
	The fax/modem shall be compatible with the workstations, servers and notebooks offered. The external fax/modem shall work with the notebooks offered.	Yes>>		No >>		
	The product offered shall include, at a minimum:					
B.9.7.2.a.	a. fax/modem device, at a minimum True V.34 transmission at 33.6Kbps, and V.42bis/MNP 5 data compression;	Yes>>		No >>		
B.9.7.2.b.	b. modem speed: minimum 33.6Kbps (compatible with lower transmit/receive rates);	Yes>>		No >>		
B.9.7.2.c.	c. RJ-11 connectors for line and phone;	Yes>>		No >>		
B.9.7.2.d.	d. audio speaker with software volume control (PCMCIA card can use external speaker to generate sound);	Yes>>		No >>		
B.9.7.2.e.	e. communication software for FAX and modem operation;	Yes>>		No >>		
B.9.7.2.f.	f. required cabling, including phone cable; and	Yes>>		No >>		
B.9.7.2.g.	g. documentation, connection, and operating instructions.	Yes>>		No >>		

D.4-40

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.7.2. PERIPHERAL DEVICES -- FAX/MODEM (PCMCIA)	CLIN 0030					
	The PCMCIA fax/modem shall be compatible with the workstations, servers and notebooks offered.	Yes>>		No >>		
	The PCMCIA fax/modem offered shall be compatible with the notebooks and PCMCIA Port/Socket offered.	Yes>>		No >>		
	The product offered shall include, at a minimum:					
B.9.7.2.a.	a. fax/modem device, at a minimum True V.34 transmission at 33.6Kbps, and V.42bis/MNP 5 data compression;	Yes>>		No >>		
B.9.7.2.b.	b. modem speed: minimum 33.6Kbps (compatible with lower transmit/receive rates);	Yes>>		No >>		
B.9.7.2.c.	c. RJ-11 connectors for line and phone;	Yes>>		No >>		
B.9.7.2.d.	d. audio speaker with software volume control (PCMCIA card can use external speaker to generate sound);	Yes>>		No >>		
B.9.7.2.e.	e. communication software for FAX and modem operation;	Yes>>		No >>		
B.9.7.2.f.	f. required cabling, including phone cable; and	Yes>>		No >>		
B.9.7.2.g.	g. documentation, connection, and operating instructions.	Yes>>		No >>		

D.4-41

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.7.3. PERIPHERAL DEVICES -- I/O INTERFACE CARD	CLIN 0031					
	The I/O interface card offered shall be compatible for use with the workstations and servers offered.	Yes>>		No >>		
	The I/O interface card shall also be compatible with the external fax/modem offered, and shall not impede full data transmission speed.	Yes>>				
	The product offered shall:					
B.9.7.3.a.	a. be, minimum, one RS-232 serial interface with independent communication, must support 16550 Universal Asynchronous Receiving and Transmission (UART), and be independently addressable as COM 1, 2, 3, or 4;	Yes>>		No >>		
B.9.7.3.b.	b. include software and drivers; and	Yes>>		No >>		
B.9.7.3.c.	c. documentation, connection, and operating instructions.	Yes>>		No >>		
	The Contractor shall propose one I/O interface card.	Yes>>		No >>		

D.4-42

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.7.4. PERIPHERAL DEVICES -- SURGE AND SPIKE PROTECTOR	CLIN 0032					
	The surge and spike protector shall have, at a minimum, 4 power outlets and one telephone line surge and spike protection.	Yes>>		No >>		
	The surge protector must include one or more RJ-11 jacks to surge and spike protect the modem connection to the telephone line), EMI/RFI noise protection, low voltage indicator, visual power-on indicator.	Yes>>		No >>		
	The Contractor shall propose one surge and spike protector.	Yes>>		No >>		

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.7.5. PERIPHERAL DEVICES -- NETWORK INTERFACE (10BASET ETHERNET CAPABILITIES/ CONNECTIVITY--16-bit)	CLIN 0033					
	The contractor shall provide for network connectivity.	Yes>>		No >>		
	Network cards shall be compatible with products provided in this contract.	Yes>>		No >>		
	The products provided shall include:					
B.9.7.5.a.	a. support for IEEE 802.3 10BaseT unshielded twisted pair (UTP) networks;	Yes>>		No >>		
B.9.7.5.b.	b. a minimum throughput of 10 Mbps at half-duplex; and	Yes>>		No >>		
B.9.7.5.c.	c. documentation, connection, and operating instructions.	Yes>>		No >>		
	16-bit card 10BaseT card	Yes>>		No >>		

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.7.5. PERIPHERAL DEVICES -- NETWORK INTERFACE (10BASE2 ETHERNET CAPABILITIES/ CONNECTIVITY--16-bit)	CLIN 0034					
	The contractor shall provide for network connectivity.	Yes>>		No >>		
	Network cards shall be compatible with products provided in this contract.	Yes>>		No >>		
	The products provided shall include:					
B.9.7.5.a.	a. support for 10Base2 thin coaxial Ethernet networks;	Yes>>		No >>		
B.9.7.5.b.	b. a minimum throughput of 2 Mbps; and	Yes>>		No >>		
B.9.7.5.c.	c. documentation, connection, and operating instructions.	Yes>>		No >>		
	16-bit 10Base2 Ethernet card	Yes>>		No >>		

D.4-45

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.7.5. PERIPHERAL DEVICES -- NETWORK INTERFACE (TOKEN RING CAPABILITIES/ CONNECTIVITY)	CLIN 0035					
	The contractor shall provide for network connectivity.	Yes>>		No >>		
	Network cards shall be compatible with products provided in this contract.	Yes>>		No >>		
	The products provided shall include:					
B.9.7.5.a.	a. support for both shielded twisted pair (STP) and unshielded twisted pair (UTP) Token-Ring and IEEE 802.5 networks;	Yes>>		No >>		
B.9.7.5.b.	b. 16 Mbps or 4 Mbps software-selectable ring speed;	Yes>>		No >>		
B.9.7.5.c.	c. 9-pin D connector;	Yes>>		No >>		
B.9.7.5.d.	d. RJ-45 connector; and	Yes>>		No >>		
B.9.7.5.e.	e. documentation and operating instructions.	Yes>>		No >>		
	16-bit Token Ring card	Yes>>		No >>		

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.7.5. PERIPHERAL DEVICES -- NETWORK INTERFACE (10BASET ETHERNET CAPABILITIES/ CONNECTIVITY--32-bit)	CLIN 0036					
	The contractor shall provide for network connectivity.	Yes>>		No >>		
	Network cards shall be compatible with products provided in this contract.	Yes>>		No >>		
	The products provided shall include:					
B.9.7.5.a.	a. support for IEEE 802.3 10BaseT unshielded twisted pair (UTP) networks;	Yes>>		No >>		
B.9.7.5.b.	b. a minimum throughput of 10 Mbps at half-duplex; and	Yes>>		No >>		
B.9.7.5.c.	c. documentation, connection, and operating instructions.	Yes>>		No >>		
	32-bit 10BaseT card	Yes>>		No >>		

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.7.5. PERIPHERAL DEVICES -- NETWORK INTERFACE (10BASE2 ETHERNET CAPABILITIES/ CONNECTIVITY--32-bit)	CLIN 0037					
	The contractor shall provide for network connectivity.	Yes>>		No >>		
	Network cards shall be compatible with products provided in this contract.	Yes>>		No >>		
	The products provided shall include:					
B.9.7.5.a.	a. support for 10Base2 thin coaxial Ethernet networks;	Yes>>		No >>		
B.9.7.5.b.	b. a minimum throughput of 10 Mbps at half-duplex; and	Yes>>		No >>		
B.9.7.5.c.	c. documentation, connection, and operating instructions.	Yes>>		No >>		
	32-bit 10Base2 card	Yes>>		No >>		

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.7.5. PERIPHERAL DEVICES -- NETWORK INTERFACE (10BASET ETHERNET CAPABILITIES/ CONNECTIVITY--PCMCIA)	CLIN 0038					
	The contractor shall provide for network connectivity. Notebook connectivity can be through the use of a PCMCIA device.	Yes>>		No >>		
	Network cards shall be compatible with products provided in this contract.	Yes>>		No >>		
	The products provided shall include:					
B.9.7.5.a.	a. support for IEEE 802.3 10BaseT unshielded twisted pair (UTP) networks;	Yes>>		No >>		
B.9.7.5.b.	b. a minimum throughput of 10 Mbps at half-duplex; and	Yes>>		No >>		
B.9.7.5.c.	c. documentation, connection, and operating instructions.	Yes>>		No >>		
	10BaseT PCMCIA	Yes>>		No >>		

D.4-49

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.7.5. PERIPHERAL DEVICES -- NETWORK INTERFACE (10BASE2 ETHERNET CAPABILITIES/ CONNECTIVITY--PCMCIA)	CLIN 0039					
	The contractor shall provide for network connectivity. Notebook connectivity can be through the use of a PCMCIA device.	Yes>>		No >>		
	Network cards shall be compatible with products provided in this contract.	Yes>>		No >>		
	The products provided shall include:					
B.9.7.5.a.	a. support for 10Base2 thin coaxial Ethernet networks;	Yes>>		No >>		
B.9.7.5.b.	b. a minimum throughput of 10 Mbps at half-duplex; and	Yes>>		No >>		
B.9.7.5.c.	c. documentation, connection, and operating instructions.	Yes>>		No >>		
	10Base2 PCMCIA	Yes>>		No >>		

D.4-50

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.8.1. PRINTERS -- PORTABLE PRINTER	CLIN 0040					
	The portable printer will be used in an office/home environment.	Yes>>		No >>		
	The portable printer will primarily be used in conjunction with the notebooks and software offered, as well as existing software, per Section B.6.	Yes>>		No >>		
	The portable printer is compatible with the offered workstations, servers, notebooks and software offered .	Yes>>		No >>		
	The product offered shall:					
B.9.8.1.a.	a. have near letter quality output;	Yes>>		No >>		
B.9.8.1.b.	b. have black and white printing;	Yes>>		No >>		
B.9.8.1.c.	c. have a battery with the capability to print thirty (30) continuous pages of standard, single-spaced, full-page text when the battery is fully-charged;	Yes>>		No >>		
B.9.8.1.d.	d. include start up supplies (excluding paper) sufficient to print 1,000 pages of standard text (5% page coverage).	Yes>>		No >>		
B.9.8.1.e.	e. not weigh more than 5.7 pounds with battery;	Yes>>		No >>		
B.9.8.1.f.	f. have a parallel interface with a 6-foot parallel cable;	Yes>>		No >>		
B.9.8.1.g.	g. have an A/C adaptor capable of charging the battery, while in use;	Yes>>		No >>		
B.9.8.1.h.	h. be a plain paper printer; and	Yes>>		No >>		
B.9.8.1.i.	I. include documentation, connection, and operating instructions.	Yes>>		No >>		
	The Contractor shall propose one portable printer.	Yes>>		No >>		

D.4-51

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.8.2. PRINTERS -- INK JET PRINTER	CLIN 0041					
	The ink jet printer will be used in an office/home environment.	Yes>>		No >>		
	The ink jet printer is compatible with the offered workstations, servers, notebooks and software.	Yes>>		No >>		
	The ink jet printer shall print in both black and white, and color mode.	Yes>>		No >>		
	The product offered shall:					
B.9.8.2.a.	a. print 3 pages per minute print speed, in black and white print mode;	Yes>>		No >>		
B.9.8.2.b.	b. include color printing;	Yes>>		No >>		
B.9.8.2.c.	c. have 600 x 300 dots per inch (dpi) print resolution;	Yes>>		No >>		
B.9.8.2.d.	d. have, at a minimum, 12 scalable fonts;	Yes>>		No >>		
B.9.8.2.e.	e. include start up supplies (excluding paper) sufficient to print 2,000 pages of standard text (5% page coverage), with a minimum 1,000 pages in color and 1,000 pages in black and white;	Yes>>		No >>		
B.9.8.2.f.	f. include a parallel interface with a 15-foot parallel cable; and	Yes>>		No >>		
B.9.8.2.g.	g. include documentation, connection, and operating instructions.	Yes>>		No >>		
	The Contractor shall propose one ink-jet printer.	Yes>>		No >>		

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.8.3. PRINTERS -- BASE-CAPACITY LASER PRINTER	CLIN 0042					
	The base capacity laser printer offered will be used in an office/home environment.	Yes>>		No >>		
	The base-capacity laser printer will primarily be used for a single/double workstation printing volume for text and graphics.	Yes>>		No >>		
	The base-capacity laser printer is capable of printing letter and legal size pages and transparencies.	Yes>>		No >>		
	The base-capacity laser printer does work with all offered workstations, servers, notebooks, and software including network software.	Yes>>		No >>		
	The product offered shall include:					
B.9.8.3.a.	a. 4MB RAM or equivalent processing capability ("equivalent processing capability" is included because some printer models utilize a memory enhancement/data compression feature, which reduces the amount of printer RAM required to process 4MB of data);	Yes>>		No >>		
B.9.8.3.b.	b. 6 ppm print speed;	Yes>>		No >>		
B.9.8.3.c.	c. black and white printing;	Yes>>		No >>		
B.9.8.3.d.	d. resolution density of 600 x 600 dpi, printer intensity/shading/ grey-scaling shall include smooth transitions between them with no banding;	Yes>>		No >>		
B.9.8.3.e.	e. internal fonts scalable from .25 to 1,000 points;	Yes>>		No >>		
B.9.8.3.f.	f. true Level 2 Adobe PostScript printing (or equivalent);	Yes>>		No >>		
B.9.8.3.g.	g. HP Laserjet IV (or later) emulation;	Yes>>		No >>		
B.9.8.3.h.	h. parallel interface with a 15-foot parallel cable;	Yes>>		No >>		
B.9.8.3.i.	I. start up supplies (excluding paper) sufficient to print 10,000 pages of standard text (5% page coverage);	Yes>>		No >>		
B.9.8.3.j	j. documentation, connection, and operating instructions.	Yes>>		No >>		
	The Contractor shall propose one base-capacity printer.	Yes>>		No >>		

D.4-53

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.8.4. PRINTERS -- HIGH-CAPACITY LASER PRINTER	CLIN 0043					
	The high-capacity laser printer offered will be used in an office/home environment.	Yes>>		No >>		
	The high-capacity laser printer will primarily be used for network application and large printing volumes for text and graphics.	Yes>>		No >>		
	The high-capacity laser printer is capable of printing regular and legal size pages and transparencies.	Yes>>		No >>		
	The high-capacity laser printer is capable of being connected to an offered network as a separate node.	Yes>>		No >>		
	The high-capacity laser printer does work with all offered workstations, servers, notebooks, network device offered and software, including network software.	Yes>>		No >>		
	The product offered shall include:					
B.9.8.4.a.	a. minimum 12MB RAM or equivalent processing capability ("equivalent processing capability" is included because some printer models utilize a memory enhancement/data compression feature, which reduces the amount of printer RAM required to process 12MB of data);	Yes>>		No >>		
B.9.8.4.b.	b. 16 ppm simplex (single-sided) print speed;	Yes>>		No >>		
B.9.8.4.c.	c. black and white printing;	Yes>>		No >>		
B.9.8.4.d.	d. resolution/density of 600 x 600 dpi, printer intensity/shading/ grey-scaling shall include smooth transitions between them with no banding;	Yes>>		No >>		
B.9.8.4.e.	e. true, Level 2 Adobe PostScript (or equivalent) printing (internal without use of additional cartridge), Printer Control Language 5, (PostScript and PCL5 switchable either via software or external printer control);	Yes>>		No >>		
B.9.8.4.f.	f. HP Laserjet IV (or later) emulation;	Yes>>		No >>		
B.9.8.4.g.	g. 1,000 sheet capacity. If multiple trays are used, system shall automatically detect paper out condition and go to next tray;	Yes>>		No >>		
B.9.8.4.h.	h. capability for network connectivity as separate node;	Yes>>		No >>		
B.9.8.4.i.	I. parallel interface with a 15-foot parallel cable;	Yes>>		No >>		
B.9.8.4.j.	j. start up supplies (excluding paper) sufficient to print 10,000 pages of standard text (5% page coverage);	Yes>>		No >>		
B.9.8.4.k.	k. documentation, connection, and operating instructions.	Yes>>		No >>		
	The Contractor shall propose one high-capacity laser printer.	Yes>>		No >>		

D.4-54

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.8.5. PRINTERS -- HIGH-CAPACITY LASER PRINTER NETWORK INTERFACE	CLIN 0044					
	The network interface offered works with the High-Capacity Laser Printer.	Yes>>		No >>		
	Use of this interface offered shall make the High-Capacity Laser Printer capable of being connected to the offered networks as a separate node.	Yes>>		No >>		
	The connectivity can be through the use of an internal network card inserted into the printer, or as an external "intelligent" network interface device (i.e., print jobs can be controlled at the server).	Yes>>		No >>		
	The products offered shall include:					
B.9.8.5.a.	a. combined support for 10BaseT and 10Base2 Ethernet capabilities/connectivity	Yes>>		No >>		
B.9.8.5.b.	b. support for IEEE 802.3 10BaseT unshielded twisted pair (UTP) networks;	Yes>>		No >>		
B.9.8.5.c.	c. support for 10Base2 thin coaxial Ethernet networks;	Yes>>		No >>		
B.9.8.5.d.	d. a minimum throughput of 10 Mbps at half-duplex for the 10BaseT, and 2 Mbps for the 10Base2; and	Yes>>		No >>		
B.9.8.5.e.	e. documentation, connection, and operating instructions.	Yes>>		No >>		
	The Contractor shall propose one device to meet the printer network interface card requirements.	Yes>>		No >>		

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.9. POWER MANAGEMENT DEVICES	CLIN 0045					
	Uninterruptable Power Supply (UPS)					
	The primary purpose of the UPS is to provide power to orderable products when the commercial power fails or becomes unstable.	Yes>>		No >>		
	The UPS shall provide support for the servers provided, for 20 minutes without interruption.	Yes>>		No >>		
	When the UPS is attached to a LAN file server and UPS monitoring is implemented, the UPS shall indicate loss of power to the file server and any workstations attached by displaying an on-screen warning.	Yes>>		No >>		
	The UPS shall automatically power down the server in an orderly manner via preset commands.	Yes>>		No >>		
	The product offered shall include:					
B.9.9.a.	a. remote shut-down capability;	Yes>>		No >>		
B.9.9.b.	b. software to operate UPS with network software provided on this contract;	Yes>>		No >>		
B.9.9.c.	c. switching takes place without disruption of power;	Yes>>		No >>		
B.9.9.d.	d. lightning, surge, and spike protection;	Yes>>		No >>		
B.9.9.e.	e. EMI/RFI noise filtering;	Yes>>		No >>		
B.9.9.f.	f. status indicator(s);	Yes>>		No >>		
B.9.9.g.	g. audible alarm;	Yes>>		No >>		
B.9.9.h.	h. display voltage output and percentage of capacity used; and	Yes>>		No >>		
B.9.9.i.	I. documentation, connection, and operating instructions.	Yes>>		No >>		
	The Contractor shall propose one UPS product, including any necessary software and drivers to meet this requirement.	Yes>>		No >>		

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications					Tech Lit Ref.
B.9.10. GOVERNMENT-FURNISHED PROPERTY (GFP) CARD INSTALLATION - (FOR CUSTOMS ONLY)	CLIN 0046					
	At times, Government Furnished Property (GFP) may need to be installed in the workstations and servers.	Yes>>		No >>		Not Applicable
	This GFP refers to internally installed circuit cards such as, but not limited to the J1 Systems AdaptCoax Adaptor & ElitePlus Emulation Software, SMC Elite16T Adaptor & Setup Software, Proteon P1392 Token Ring Adaptor/Software, and other network cards and secure cards.					
	The cards will be installed prior to workstation and server delivery to the Government.	Yes>>		No >>		N/A
	GFP will be provided at a site agreed to by the contractor and Government.	Yes>>		No >>		N/A
	Installation of GFP shall not delay the delivery requirements, unless the delay is caused by the Government.	Yes>>		No >>		N/A
	The Contractor shall provide at a single flat labor rate for installation and configuration of such GFP.	Yes>>		No >>		N/A

Application Software					
10/23/97					
RFP Reference	Required Application Software				
B.9.11. SOFTWARE					
	All software (media, license and documentation) shall be provided based on the commercial practices of the manufacturer.	Yes>>		No >>	
	All software, when ordered with a workstation, server, or notebook, shall be installed and configured prior to delivery in its respective directory/directories, by the Contractor, unless noted otherwise, on the delivery order.	Yes>>		No >>	
	Network operating system software shall be loaded to the default level.	Yes>>		No >>	
	Throughout the software product life, on the contract, the most current version, at time of delivery order, will be provided unless specified otherwise by the Government.	Yes>>		No >>	
	Initially, software will be provided for single user, and include media, license and documentation.	Yes>>		No >>	
	Documentation shall be provided based on the commercial practice of the manufacturer.	Yes>>		No >>	
	This will not limit how software will be required by the Government, to meet future requirements.	Yes>>		No >>	
	Software offered shall be the most current version available from the manufacturer, at time of proposal, unless the Government states otherwise.	Yes>>		No >>	
	In addition to the specific software products being required, the Contractor shall also include non-specific brand name products. The following conditions apply to the non-specific software being requested:	Yes>>			
B.9.11.a.	a. The products offered must fit within the appropriate category provided (i.e., operating system, word processing, spreadsheet, etc.)	Yes>>		No >>	
b.9.11.b.	The offered products may not include software that is commonly referred to as "share-ware," "free-ware," or "public domain software." These terms are defined as follows: Shareware: Software that is distributed on a trial basis through electronic bulletin board systems, on-line services, and user groups. Shareware is distributed on the honor system, and if a user decides to keep and use it, then that user must register and pay for it. Freeware: Software distributed without charge. Ownership is retained by the developer who has control over its redistribution, including the ability to change the next release of freeware to payware. Public Domain Software: Software in which ownership has been relinquished to the public at large.	Yes>>		No >>	

D.4-58

Application Software				
10/23/97				
B.9.11. SOFTWARE				
RFP Reference	Required Application Software			
B.9.11.	The Contractor shall propose:			
B.9.11.a. (CLIN 0047)	(a) Corel Word Perfect	Yes>>		No >>
B.9.11.b. (CLIN 0048)	(b) Microsoft Word	Yes>>		No >>
B.9.11.c. (CLIN 0049)	(c) Non-Specific Word Processing	Yes>>		No >>
B.9.11.d. (CLIN 0050)	(d) Lotus 1-2-3	Yes>>		No >>
B.9.11.e. (CLIN 0051)	(e) Microsoft Excel	Yes>>		No >>
B.9.11.f. (CLIN 0052)	(f) Non-Specific Spreadsheet	Yes>>		No >>
B.9.11.g. (CLIN 0053)	(g) Microsoft Office Pro	Yes>>		No >>
B.9.11.h. (CLIN 0054)	(h) Non-Specific Software Suite	Yes>>		No >>
B.9.11.l. (CLIN 0055)	(l) Non-Specific Software Suite	Yes>>		No >>
B.9.11.j. (CLIN 0056)	(j) Microsoft Windows 95	Yes>>		No >>
B.9.11.k. (CLIN 0057)	(k) Microsoft Windows NT - Workstation	Yes>>		No >>
B.9.11.l. (CLIN 0058)	(l) Microsoft Windows NT - Server (50 License/User--include media, license and documentation)	Yes>>		No >>
B.9.11.m. (CLIN 0059)	(m) Microsoft Back Office Client Access	Yes>>		No >>
B.9.11.n. (CLIN 0060)	(n) Microsoft Exchange Client Access	Yes>>		No >>
B.9.11.o. (CLIN 0061)	(o) Microsoft Windows NT Client Access	Yes>>		No >>
B.9.11.p. (CLIN 0062)	(p) Microsoft Systems Management Server Client Access	Yes>>		No >>
B.9.11.q. (CLIN 0063)	(q) Microsoft Systems Management Server Client Access - License only	Yes>>		No >>
B.9.11.r. (CLIN 0064)	(r) Lotus Notes Desktop Client - License only	Yes>>		No >>
B.9.11.s. (CLIN 0065)	(s) Non-Specific Operating System -- Can be single or multi-user, include media, license and documentation	Yes>>		No >>
B.9.11.t. (CLIN 0066)	(t) Non-Specific Operating System -- Can be single or multi-user --License only	Yes>>		No >>

Contractor Services						
10/23/97						
RFP Reference	Required Warranty					Propo
B.12.	The Contractor shall propose two individual (flat) rates for on-site, parts and labor warranty meeting the one year requirements of this contract, for sites other than those within the Continental United States (CONUS).	Yes>>		No >>		
B.12. (CLIN 0067)	OCONUS - Workstations and Notebooks	Yes>>		No >>		
B.12. (CLIN 0068)	OCONUS - Servers	Yes>>		No >>		

D.4-60

Contractor Services			
10/23/97			
RFP Reference	Required Services		
	The Contractor shall provide:		
B.12.	Warranty Service	Yes>>	
B.12.1.	Coverage Period	Yes>>	
B.12.2.	Response Requirements	Yes>>	
B.12.2.1.	Call Identification	Yes>>	
B.12.2.2.	Technician Dispatched	Yes>>	
B.12.2.3.	Conditions - Preacceptance Failure	Yes>>	
B.12.2.4.	Data Storage Device Repair	Yes>>	
B.12.2.5.	Network Server Repair	Yes>>	
B.12.2.6.	All Other Products Repair	Yes>>	
B.12.3.	Repetitive Failure and/or Long Term Failure	Yes>>	
B.12.3.1.	Replaced Parts	Yes>>	
B.12.4.	Third Party Repair	Yes>>	
Reporting Requirements			
B.12.5.	Shipping Status Reporting	Yes>>	
B.12.6.	Serial Number Report	Yes>>	
B.12.7.	Additional Warranty Conditions and Exclusions	Yes>>	
b.12.8.	Warranty Coverage for Used Equipment	Yes>>	
B.14.	Software Updates/Upgrades	Yes>>	
B.15.	Reserved	Yes>>	
B.16.	Reports and Order Information	Yes>>	
B.16.1.	Contractor Reporting Requirements	Yes>>	
B.16.2.	Specific Report Requirements	Yes>>	
B.16.3.	Reports		
B.16.3.1.	Status Report with Performance Measures	Yes>>	
B.16.3.2.	Invoice Report with Performance Measures	Yes>>	
B.16.3.3.	Equipment Failure Report with Performance Measures	Yes>>	
B.16.3.4.	Items Report	Yes>>	
B.16.3.5.	Additional Report Requirements	Yes>>	
B.17.	Catalog	Yes>>	
B.17.1.	Product Information	Yes>>	
B.17.2.	Internet Catalog Sort Feature	Yes>>	
B.17.3.	Printed Catalog and Advertising	Yes>>	
B.18.	Promoting the Contract	Yes>>	
B.19.	Electronic Mail	Yes>>	
B.20.	Serial Numbers	Yes>>	
B.21.	Reserved	Yes>>	
B.22.	Reserved	Yes>>	
B.23.	Energy-Efficient Microcomputers, Monitors, and Printers	Yes>>	
B.23.1.	Overall Requirements	Yes>>	
B.23.2.	Energy-Efficiency Specifications	Yes>>	
B.24.	Applicable Documents	Yes>>	

D.6 TREASURY DEPARTMENT ACQUISITION III
MAXIMUM ORDER LIMITATION (MOL) BY CLIN
APPLICABLE TO CONTRACT MONTHS 1 - 24

ITEM NO.	CONTRACT ITEM	Est. Units
0001	Workstation - minimum 233 MHz Pentium or equivalent system	10,875
0001	Workstation - minimum 233 MHz Pentium or equivalent system (Year 2)	3,625
0002	Workstation - minimum 200 MHz Pentium MMX or equivalent system	2,700
0002	Workstation - minimum 200 MHz Pentium MMX or equivalent system (Year 2)	900
0003	Server - Single Processor	270
0003	Server - Single Processor (Year 2)	90
0004	Server - Dual Processor	30
0004	Server - Dual Processor (Year 2)	10
0005	Notebook - TFT Screen	3,150
0005	Notebook - TFT Screen (Year 2)	1,050
0006	Notebook - Dual Scan Screen	1350
0006	Notebook - Dual Scan Screen (Year 2)	450
0007	RAM - Workstation (most current)	3,420
0007	RAM - Workstation (most current) (Year 2)	1,140
0008	RAM - Workstation (other)	900
0008	RAM - Workstation (other) (Year 2)	300
0009	RAM - Server (single processor)	340
0009	RAM - Server (single processor) (Year 2)	110
0010	RAM - Server (dual processor)	95
0010	RAM - Server (dual processor) (Year 2)	35
0011	RAM - Notebook - Active Matrix	1425
0011	RAM - Notebook - Active Matrix (Year 2)	475
0012	RAM - Notebook - Dual-Scan	475
0012	RAM - Notebook - Dual-Scan (Year 2)	155
0013	SVGA Color SVGA Monitor w/minimum 13.7" diagonal viewing area	1875
0013	SVGA Color SVGA Monitor w/minimum 13.7" diagonal viewing area (Year 2)	625
0014	SVGA Color SVGA Monitor w/minimum 15.7" diagonal viewing area	675
0014	SVGA Color SVGA Monitor w/minimum 15.7" diagonal viewing area (Year 2)	225
0015	SVGA Color SVGA Monitor w/minimum 19" diagonal viewing area	55
0015	SVGA Color SVGA Monitor w/minimum 19" diagonal viewing area (Year 2)	20
0016	Hard Disk Drive - Internal 2.5GB	1200
0016	Hard Disk Drive - Internal 2.5GB (Year 2)	400
0017	Hard Disk Drive - Internal 4.0GB	375
0017	Hard Disk Drive - Internal 4.0GB (Year 2)	125
0018	Hard Disk Drive - Internal 9.0GB	190
0018	Hard Disk Drive - Internal 9.0GB (Year 2)	65
0019	Tape Cartridge Back-up - Internal 1.0GB	150
0019	Tape Cartridge Back-up - Internal 1.0GB (Year 2)	50
0020	Tape Cartridge Back-up - External 1.0GB	55
0020	Tape Cartridge Back-up - External 1.0GB (Year 2)	20
0021	Tape Cartridge Back-up - Internal 4.0GB	55
0021	Tape Cartridge Back-up - Internal 4.0GB (Year 2)	20
0022	RESERVED	
0022	RESERVED	

Amendment 0004

D.6-1   **Dated: January 9, 1998**

0023	RESERVED	
0023	RESERVED	
0024	RESERVED	
0024	RESERVED	
0025	CD-Reader and Recorder - Internal	55
0025	CD-Reader and Recorder - Internal (Year 2)	20
0026	CD-Reader and Recorder - External	190
0026	CD-Reader and Recorder - External (Year 2)	65
0027	PCMCIA Port/Socket - Internal	150
0027	PCMCIA Port/Socket - Internal (Year 2)	50
0028	Fax/Modem - Internal 33.6Kbps	375
0028	Fax/Modem - Internal 33.6Kbps (Year 2)	125
0029	Fax/Modem - External 33.6Kbps	270
0029	Fax/Modem - External 33.6Kbps (Year 2)	90
0030	Fax/Modem - PCMCIA 33.6Kbps	1725
0030	Fax/Modem - PCMCIA 33.6Kbps (Year 2)	575
0031	RS-232 I/O Interface Card	75
0031	RS-232 I/O Interface Card (Year 2)	25
0032	Surge & Spike Protector	1650
0032	Surge & Spike Protector (Year 2)	550
0033	10BaseT Card - 16 bit	3375
0033	10BaseT Card - 16 bit (Year 2)	1125
0034	10Base2 Card - 16 bit	25
0034	10Base2 Card - 16 bit (Year 2)	10
0035	Token Ring Card - 16 bit	30
0035	Token Ring Card - 16 bit (Year 2)	10
0036	10BaseT Card - 32 bit	2250
0036	10BaseT Card - 32 bit (Year 2)	750
0037	10Base2 Card - 32 bit	20
0037	10Base2 Card - 32 bit (Year 2)	5
0038	10BaseT PCMCIA Card	340
0038	10BaseT PCMCIA Card (Year 2)	115
0039	10Base2 PCMCIA Card	15
0039	10Base2 PCMCIA Card (Year 2)	5
0040	Portable Printer	450
0040	Portable Printer (Year 2)	150
0041	Ink Jet Printer	1650
0041	Ink Jet Printer (Year 2)	550
0042	Laser Printer - Base Capacity	750
0042	Laser Printer - Base Capacity (Year 2)	250
0043	Laser Printer - High Capacity	1275
0043	Laser Printer - High Capacity (Year 2)	425
0044	Laser Printer Network Interface	490
0044	Laser Printer Network Interface (Year 2)	165
0045	Uninterruptable Power Supply	210
0045	Uninterruptable Power Supply (Year 2)	70
0046	Labor - GFP Circuit Card Installation	375
0046	Labor - GFP Circuit Card Installation (Year 2)	125

0047	Corel Word Perfect	390
0047	Corel Word Perfect (Year 2)	130
0048	MS Word	1800
0048	MS Word (Year 2)	600
0049	Non-Spec Word Processing	40
0049	Non-Spec Word Processing (Year 2)	10
0050	Lotus 1-2-3	2700
0050	Lotus 1-2-3 (Year 2)	900
0051	MS Excel	70
0051	MS Excel (Year 2)	20
0052	Non-Spec Spreadsheet	40
0052	Non-Spec Spreadsheet (Year 2)	10
0053	MS Office Pro	3000
0053	MS Office Pro (Year 2)	1000
0054	Non-Spec Software Suite	40
0054	Non-Spec Software Suite (Year 2)	10
0055	Non-Spec Software Suite	40
0055	Non-Spec Software Suite (Year 2)	10
0056	MS Windows 95	1050
0056	MS Windows 95 (Year 2)	350
0057	MS Windows NT - Workstation	10,500
0057	MS Windows NT - Workstation (Year 2)	3,500
0058	MS Windows NT - Server (50 License-inc med,lic,doc)	200
0058	MS Win NT - Srvr (50 Lic.-inc med,lic,doc) (Year 2)	70
0059	MS Back Office Client Access	9750
0059	MS Back Office Client Access (Year 2)	3250
0060	MS Exchange Client Access	3000
0060	MS Exchange Client Access (Year 2)	1000
0061	MS Windows NT Client Access	5625
0061	MS Windows NT Client Access (Year 2)	1875
0062	MS Systems Management Server Client Access	40
0062	MS Systems Management Srvr Client Access (Year 2)	10
0063	MS Systems Mgmt Server Client Access - License only	2100
0063	MS Systems Mgmt Srvr Client Acc - Lic. only (Year 2)	700
0064	Lotus Notes Desktop Client - License only	4500
0064	Lotus Notes Desktop Client - License only (Year 2)	1500
0065	Non-Spec OS - Single or multi-user,inc med,lic,doc	40
0065	Non-Spc OS - Sgl or multi-user,inc med,lic,doc (Year 2)	10
0066	Non-Spec OS - License only	40
0066	Non-Spec OS - License only (Year 2)	10
0067	Warranty Service OCONUS - workstations, notebooks	265

0067	Warranty Service OCONUS - wksts, notebooks (Year 2)	90
0068	Warranty Service OCONUS - servers	115
0068	Warranty Service OCONUS - servers (Year 2)	35

*** IMPORTANT ***

o DOS/WINDOWS VERSIONS: LOTUS 123+ for DOS with WYSIWYG invoked must be
used with the WK3 files in order for the menu macros to work and the reports to print properly.
LOTUS 123 for Windows, release 5 must be used with the WK3 files. |

o The following available RAM is necessary to fully realize the capabilities of the spreadsheet:

Lines of Data Required Available RAM

1,000-2,000	4 MB
3,000	8 MB
4,000	12 MB
5,000-6,000	16 MB
7,000-8,000	20 MB

o This spreadsheet is all encompassing and is formatted for leasing and buyouts which does not |
apply to this procurement. Therefore, for inputting data purposes only, the offeror need only be |
concerned with columns L, Pricing Data Catalog Unit Price and Column M, Proposed Unite |
Price. Column P, the Purchase Plan (same as Purchase Price) will be calculated automatically by |
the spreadsheet formula. The Total Purchase Plan Price should reflect the amount you are |
proposing. Columns R, Purchase Present Value and Column X, IRS Evaluated Price are |
calculated automatically and reflect how the IRS plans to evaluate your proposed data for |
potential contract award. |
                                                                                                     |
Note: Each offeror's proposed unit prices will be re-inputed into the IRS Spreadsheet to insure |
no corruption of formulas or quantities has taken place. |
                                                                                                     |

CLIN	Manufacturer's Warranty Type				
	Parts	Labor	Mail-In	On-Site	Comments
0009					
0010					
0011					
0012					
0013					
0014					
0015					
0016					
0017					
0018					
0019					
0020					
0021					

Amendment 0004
Dated: January 9, 1998

E.2.5. PROPOSALS NOT SELECTED

Non-selection of any proposal will mean that another acceptable proposal was deemed to be more advantageous to the Government, or that no proposal was accepted. Offerors whose proposals are not accepted will be so notified. Unsuccessful Offerors may request a debriefing concerning the reasons for their proposal's rejection.

E.2.6. ANNOUNCEMENT OF AWARD

After notification of the successful Offeror, an announcement of the contract award will be made in the COMMERCE BUSINESS DAILY.

E.2.7. PROPOSAL PREPARATION INSTRUCTIONS

The following paragraphs set forth (1) the format and instructions governing proposal preparation/submission and, (2) the structure of the contract. Offerors shall identify within their proposal's transmittal letter whether they are responding to the full and open or the small business set-aside segment of this acquisition.

Proposals submitted for less than the total requirement of this RFP will not be considered for award.

E.2.7.1. Submission of Proposal (Hardcopy)

Each Offeror's proposal submitted in response to this solicitation shall be in the following four volumes as described below: Volume I (Business Proposal), Volume II (Price Proposal), Volume III (Technical Proposal), and Volume IV (Technical Literature/Information).

Please refer to the matrix incorporated in paragraph E.2.13.2., "Packaging and Marking of Proposals" for information on the number of copies and other pertinent details.

E.2.7.2. Submission of Proposal on Diskettes

It is required that documents generated via a word processor for the contents of Volume I of their proposal, excluding any manuals or brochures, be provided in one of the following formats which are listed in decending order of preference: (1) Word Perfect 6.1; (2) Word 6 or (3) PDF format (accompanied with the files' original word processor format (e.g., Word 97) on 90 mm (3.5") diskettes.

Volume II (Price Proposal) shall be in LOTUS 1-2-3 (Release 3.1+) format on a 90 mm (3.5") diskette. Please see E.2.9.2., "Pricing Spreadsheet/Evaluation Model" for information on obtaining spreadsheet files from the Government for use in preparing this volume.

The Product Technical Requirements Matrices contained in Volume III (Technical Proposal) shall be in one of the following formats which are listed in decending order of preference: (1)

WordPerfect 6.1; (2) Word 6; or (c) PDF format (accompanied with the files' original word |
processor format (e.g., Word 97) on a 90 mm (3.5") diskette. Please see E1.1.11.1., "Tab A - |
Product Technical Requirements Matrices" for information on obtaining spreadsheet files from the
Government for use in preparing this volume.

All diskettes submitted shall be marked with the solicitation number, Offeror's name, date of
submission, description of the contents and the format of documents generated via a |
wordprocessor as mentioned above. |

E.2.7.3. Precedence - Hardcopy versus Diskette

When there is a discrepancy between the Offeror's proposal and the diskette provided with the
proposal, the hardcopy takes precedence. **EXCEPTION**: In Section D, Attachment 4,
Instructions in Completing Requirements Matrices, there are three fields (**Tech Lit Ref,
Manufacturer and Model Number**), that may not be wide enough to display all of the text
entered. The resultant hardcopy version of the matrix will display truncated text for that field.
Therefore, for these three fields in Attachment 4 f Section D, any discrepancy between the
Offeror's proposal and the diskette provided with the proposal, the diskette takes precedence.

E.2.7.4. General

(1) Offerors are cautioned to follow the detailed instructions fully and carefully.

(2) The instructions printed herein have been specifically designed to ensure
comprehensive validation and evaluation of proposals.

(3) Clarity and completeness are of utmost importance. Complex, elaborate, or costly
presentations are neither required nor desired.

(4) The relevance, clarity and conciseness of the proposal will be important. Key points
must be easily found, or will be presumed to be lacking. Maintain careful organization
throughout the proposal. Follow the numbering and titling instructions contained herein. Use a
detailed table of contents. Make volume and section introductions brief. Where format is not
specified, use clear and consistent subsection numbering and titling.

(5) Efforts should be directed to submission of a complete and comprehensive initial
proposal. Please review all documents for accuracy and completeness before delivery to the
Government.

TAB D - PRE-AWARD SURVEY
TAB E - PAST PERFORMANCE/EXPERIENCE INFORMATION
TAB F -   PRODUCTION, DELIVERY, AND QUALITY CONTROL
           CAPABILITIES
TAB G - OTHER MANDATORY REQUIREMENTS AND CONTRACT
           TERMS AND CONDITIONS
TAB H - SUBCONTRACTING PLAN -(Large Business Offerors
        ONLY)

E.2.8.1. Tab E.2 A - Standard Form (SF) 1449

The Offeror shall include the SF 1449 with the "Offer" section completed, as appropriate. The SF 1449 shall be signed by an official authorized to bind the Offeror's organization. The SF 1449 containing the original signature shall be included in the binder marked as the original.

E.2.8.2. Tab B - Financial Capability

Each offeror shall provide information related to its current financial condition and the sources of all funds which will be used to finance contract performance. Indicate dollar amount, names and telephone numbers of persons at banks and other sources of funds who may be contacted to verify the pertinent financial data. For the full and open competitive portion, the Offeror shall include its | two most recently audited annual financial statements. For the small business set-aside | competitive portion, the Offeror shall include at a minimum, one year of its most recently audited | annual financial statement(s). Any interim financial statements, such as quarterly reports, shall also | be provided if the annual statements are more than six months old. Interim financial statements may be unaudited. If available, the Offeror shall include a copy of its latest annual report.

All of the above information must also be submitted by each potential subcontractor or supplier whose total value of subcontracts may exceed 25% of the value of the Offeror's proposed price.

E.2.8.3. Tab C - FAR Clause 52.212-3 of the RFP

Each offeror shall complete and sign FAR Clause 52.212-3 of the solicitation and include it here in the proposal. This shall also be done for each potential subcontractor supplier whose total value of subcontracts exceeds 25% of the value of the offeror's proposed price.

In responding to Section E.4, paragraphs (f) and (g), Offerors are instructed to consider the entire product offered for each numbered Contract Line Item (CLIN) an "end product". The government is not required to go below CLIN level in identifying end-products for the purpose of applying the Trade Agreements Act and the North American Free Trade Agreement Implementation Act. See RMTC/Microwave, GSBCA No. 10060-p, 10063-P, and 10065-P, and

(viii) description and date of any claims or litigation between you and the client or customer concerning the particular contract, agreement, or account;

(ix) discussion of any problems that arose in meeting the customers expectations and how they were resolved.

As a condition of submitting a proposal in response to this RFP, the Offeror agrees to order the Dun and Bradstreet Reports specified in RFP, Section D, Attachment 8. The client or customer information stated in Items (i) through (x) above shall be included both in the proposal and with the order to D&B. A copy of the order to D&B shall be included in this section of the Business Proposal. The offeror is responsible for making all necessary arrangements with D&B and for the payment in full for D&B services ordered. The Order form is included in Section D, Attachment 8 . The Government will not reimburse the Offeror for any incurred costs. The D&B reports shall be used by the Government in evaluating the Offeror's past performance (see RFP Section E). If additional information is needed concerning the contents of the reports, please contact D&B's representative named in Section D, Attachment 8. The Offeror should telefax the completed Order form to D&B as soon as possible after receipt of the RFP but no later than ten (10) calendar days prior to the RFP's closing date for receipt of proposals.

E.2.8.6. Tab F - Production, Delivery, and Quality Control Capabilities

(a) The Offeror shall give a detailed and comprehensive description of its offered commitments to fulfill all valid orders received from the Government under this contract, and its ability to meet these commitments. This shall include but is not limited to a description of its ability to produce, integrate, and deliver the products that may be ordered by the Government.

(b) Identify all committed sources of supply, shipment, hot-line assistance, and on-site warranty service. Identify all subcontracting arrangements already agreed to, subject to the offeror's receipt of the prime contract. Specific documentation or information that substantiates that the offered capacities and capabilities shall be provided. This includes but is not limited to supplier/shipper/subcontractor agreements; records of past production, integration, and delivery; and evidence of existing capabilities, or capabilities to be acquired, to fulfill all projected orders from all customers, including this contract, during the first year of this contract. The Offeror must address its plans and capabilities to fulfill delivery orders that reach the maximum order limits included in the RFP.

(11) SITE: Not used in this solicitation.

(12) REFERENCE: The reference column identifies documents in the price proposal containing CLIN related pricing support data which permits limiting the pricing schedule to data essential for price analysis. In addition to keeping the pricing schedule clear and comparable, cross-referenced supporting documentation will facilitate technical verification of the pricing proposal and price analysis. The preparation of supporting documents should also require less effort than might first be expected because each reference document will most likely apply to numerous CLINs. At a minimum, the supporting documentation will include a listing that references the catalog(s) and pages where catalog prices can be verified (See paragraph 15).

(13) START MONTH AND END MONTH: The START MONTH refers to the order month. The END MONTH, in this case, is identical to the START MONTH. These months have been assigned and entered into the pricing spreadsheet to be used by the Offeror. Input is not required by the Offeror.

(14) QUANTITY: Quantities have been assigned, using those stated in Section D-6, and entered into the pricing spreadsheet to be used by the Offeror. Input is not required by the Offeror.

(15) CATALOG UNIT PRICE: Catalog unit prices shall be provided for each CLIN for price analysis purposes and catalogs shall be provided for verification purposes. If the catalog price is not available, provide an explanation in the price proposal (Section 1) and furnish appropriate supporting documentation such as a quotation.

(16) PROPOSED UNIT PRICE: The pricing spreadsheet has been formatted to allow one separate unit price to be input for each twelve-month period. For price evaluation purposes, the Offeror shall enter their proposed unit price for the first twelve months in Month 1; the second twelve months in Month 13.

(17) PURCHASE PLAN: The purchase price is the quantity times the unit price, for each |
year. |

(18) PURCHASE PRESENT VALUE: The present value of the purchase price is |
computed based on the present value of an ordinary annuity at the OMB A-104 prescribed
discount rate (See Note 4).

(19) IRS EVALUATED PRICE: This represents the basis for award which calculates 80 |
percent of the present value price for the first year and 20 percent of the present value price for |
the second year as addressed in E.2.9.2.1(c). |

(20) SUBMISSION INSTRUCTIONS: All proposals shall be submitted on a 90 mm |
(3.5") diskette using the LOTUS 1-2-3 (Release 3.1+) pricing spreadsheet. Also, a hardcopy of
the Offeror's proposed spreadsheet shall be submitted.   The hardcopy report shall be submitted
on 21.59 cm x 27.94 cm (8.5" x 11") paper.

The spreadsheet program was designed using WYSIWYG commands in LOTUS 1-2-3 (Release
3.1+) and setup to print on a HP Laser Jet III Printer. To access the spreadsheet, Offerors should
use LOTUS 3.1+ or later release. In order to print the spreadsheet, highlight from cell A1 to |
column X, IRS Evaluated Price for all CLINS down to the life cycle cost. |

The spreadsheet highlighted from column X titled "The IRS Evaluated Price" down to Cell 32KB |
internal and 256KB external cache memory; X149 is the only hard copy report required. |

E.2.9.3. Present Value Factors

The pricing spreadsheet adjusts all proposed prices to present value pursuant to OMB Circular
A-94. In accordance with OMB Circular A-94, the rate of the Treasury security maturing most
nearly equal to the term of the contract should be used in computing present value. Treasury
Nominal and Real Interest Rates are published annually as APPENDIX C to Circular A-94. For
this procurement the rate used in the spreadsheet is the three year present value factor effective
through February 1998. This contract is for 12 months with an option for 12 additional months
for an anticipated total of 24 months. OMB states to use the factor most nearly equal to the term
of the contract. For this procurement, the nominal factors used are taken from a three year
present value chart. The Nominal Factor Rate is 5.75%.

E.2.9.4. Section 3 - GSA/Commercial Catalogs

This section shall include a copy of excerpts from current GSA, if applicable, and Commercial
catalog(s) for each CLIN and sub-CLIN item offered. Catalog excerpts provided shall include
complete price-related information with the applicable price noted, including applicable price
discount structure.

The Government requires technical documentation in either of the following formats: (a) pre-printed, OEM-generated documentation; or, (b) a letter from the OEM, signed by a recognized official of the OEM, printed on the OEM's letterhead, certifying the technical requirement being addressed.

Amendment 0004
Dated: January 9, 1998

E.2.12. AMENDMENTS TO PROPOSALS

Should it become necessary for an Offeror to incorporate revisions into its proposal, the Offeror shall submit change page(s). All changes shall be indicated by a vertical line, adjacent to the change, on the outside margin on the page. In addition, each revised page shall include a footer that contains the date of the change, the Offeror's revision number, (if the change is being made in response to a solicitation amendment) the applicable Government amendment number, and the page number. The format of the footer for the change pages shall appear as follows:

    January xx, 1998, Revision: 01, Amendment: 06,   II-30

or if the change is not submitted in response to an amendment to the Government's solicitation:

    January xx, 1998, Revision: 01   II-30

Each change to the Offeror's proposal shall have a revision number regardless of whether or not the change is a result of a Government amendment.

E.2.13.   SUBMISSION OF PROPOSALS

E.2.13.1.   Due Date for Proposals

Proposals submitted in response to the full and open portion of this solicitation shall be delivered before or no later than January 23, 1998, 2:00 P.M., local time. Proposals submitted in response to the small business set-aside portion shall be delivered before or no later than February 6, 1998, 2:00 P.M., local time. Any change in this date and time will be stated in an Amendment to the Solicitation issued with a Standard Form 30. (CAUTION: See "Late Offers" in Section E.1., paragraph (f)). All Offerors are requested to notify the individual shown in Block 7a. of the Standard Form 1449 at least 24 hours in advance of their planned delivery time.

E.2.13.2.   Packaging and Marking of Proposals

Each package shall be sealed and clearly marked with the solicitation number, the Offeror's name, and the date of submission. Failure to deliver required contracts and technical packages to the designated addresses with packages properly identified may be the cause of an offer being received late and unacceptable in accordance with clause 52.212-1, entitled "Late offers".

One package shall be marked "CONTRACTS" and the other package shall be marked "TECHNICAL." Each package shall include a inventory list which the Government will use as a checklist to verify that all required items are present. The contents of each package shall be as follows:

Amendment 0004
Dated: January 9, 1998

	CONTRACTS PACKAGE Internal Revenue Service A/C (Procurement) Departmental Systems Branch (M:P:I:D) Constellation Centre 6009 Oxon Hill Road, 7th Floor Oxon Hill, MD 20745			TECHNICAL PACKAGE Internal Revenue Service A/C (Procurement) Departmental Systems Branch (M:P:I:D) Constellation Centre 6009 Oxon Hill Road, 7th Floor Oxon Hill, MD 20745		
	HARDCOPY ORIGINAL COPIES		90mm DISKETTE	HARDCOPY ORIGINAL COPIES		90mm DISKETTE
VOLUME I Business Proposal	1	4	2	0	0	0
VOLUME II Price Proposal	1	4	2	0	0	0
VOLUME IIA Sanitized Price Proposal	1	4	2	0	0	0
VOLUME III Technical Proposal	1	1	1	0	3	2
VOLUME IV Technical Literature	1	1	1	0	3	2

NOTE: The diskettes provided as part of the "TECHNICAL" package for Volume III shall **not** contain any reference to price or cost.

E.2.14.   HAND-CARRIED PROPOSALS

Hand-carried proposals, including those by delivery sources (e.g., Federal Express, DHL, etc.) shall be marked and delivered as stated in Section E.2.13.2.

(c) In addition to completing the Product Technical Requirements Matrices, Offerors shall submit technical literature to substantiate Offeror representations that products are compliant with the stated mandatory specifications and mandatory requirements. If technical literature is not provided, the proposal will be found non-compliant. Technical literature means information, such as catalog cuts, illustrations, drawings, and brochures, which shows the characteristics or construction of a product or explains its operation. The term includes only information required to determine acceptability of the product.

(d)   The Government will review the Product Technical Requirements Matrix associated with each CLIN, and will then examine the cross-referenced technical literature to validate that each individual mandatory specification and mandatory requirement is being met.   The Government will make a reasonable attempt to locate all information in the technical literature that shows that the product meets the mandatory specifications and mandatory requirements. In the event that this information cannot be located in the technical literature or if there are inconsistencies such that it is not clear which features described in the literature are included with the product being offered, the proposal will be found non-compliant.

E.3.6. PAST PERFORMANCE EVALUATION

Past performance will be evaluated as described below. Information obtained from the offeror and through Dun & Bradstreet (D&B) will be used by the Government in conducting this evaluation. (See RFP Section E, Volume I - Business Proposal instructions concerning the engagement of D&B to collect past performance information by interviewing the Offeror's clients or customers.) The Government will: (1) analyze the historical facts of the Offeror's work experience and observations made by both the Offeror and its customers on that experience, (2) make qualitative judgements about the facts and observations, and (3) assign a past performance rating using the scale shown in (d) below to determine whether the offeror passes or fails the past performance criteria. This evaluation will concern the past performance of an Offeror's prior experience as a prime or subcontractor. It will not concern the prior experience of individual personnel in the offeror's organization or of any proposed subcontractors.

(a) In conducting the evaluation, the Government will consider facts and observations about how well the Offeror performed in the following areas: (1) adhering to delivery or performance requirements; and fulfilling the standards of quality required; (2) management of the agreement; and (3) customer satisfaction, entailing being responsive to clients' or customers' needs and meeting their overall expectations regarding contract performance.

(b) The specific questions, relevant to the four areas stated above, which will be used by D&B in interviewing the Offerors clients or customers are stated in RFP Section D, Attachment 9. Questions #1 through 4 are relevant to (1) above; Question #5 and 6 are relevant to (2) above; Question #7 is relevant to (3) above.

Amendment 0004
Dated: January 9, 1998

(c) The Offeror is responsible for ensuring that correct information is provided for each case, |
especially for each point-of-contact person. Only two attempts will be made to contact the
appropriate person for each client or customer. In the event that no information is received within
the requested time after the second attempt, then it will be noted that no past performance
observation was received from the particular client or customer or does not permit the disclosure
of: (1) the name of its organization; (ii) type of products or computer services provided; or (iii)
any information it may furnish in response to questions, substantially as those stated in RFP,
Section D, Attachment 9, then it will be noted that no past performance observations were
received from the particular client or customer. |

(d) The Government will consider each of the Offeror's clients or customers as a specific past
performance case. Each of the past performance areas identified in (b)(1), (2) and (3) above will |
be evaluated to determine whether the specific case is favorable or unfavorable. The Government
will then rate each Offeror's past performance using the following scale.

0.0 - Unacceptable: Almost all past performance cases were found to be unfavorable. Either the
offeror has presented no persuasive evidence of having taken appropriate corrective action or it
appears unlikely that the corrective action will be effective.

0.2 - Marginal: Past performance cases were mostly unfavorable. There is no or little evidence of
any action by the Offeror that could overcome this trend.

0.5 - Neutral: Past performance cases were neither predominately favorable nor unfavorable.
Alternatively, there were no observations received from the majority of the Offeror's clients or
customers with whom contact was attempted or no records of the Offeror's past performance
exist.

0.8 - Good: Past performance cases were more favorable than unfavorable. There is evidence of a
trend of favorable past performance.

1.0 - Excellent: Almost all past performance cases were found to be favorable.

Past performance ratings are also subject to the following:

(1) If a majority of the past performance cases were for other than microcomputer, servers,
printers, other related peripherals, and software, then the rating assigned will not exceed 0.5.

(2) If in more than 20% of the cases, the Offeror's past performance was found to be unfavorable
either in adhering to delivery or performance requirements or in fulfilling the standards of quality
required, then the rating assigned will not exceed 0.5. Offerors whose rating is less than 0.5 will

Amendment 0004
Dated: January 9, 1998